

Converting Colors

XYZ(75.2925, 90.5843, 51.8651)

Have a look what the booklet for
XYZ(75.2925, 90.5843, 51.8651)
contains.

XYZ(75.4256, 90.6469, 52.0493)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(75.4256, 90.6469,
52.0493)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FEAB
RGB	230, 254, 171
RGB Percent	90%, 100%, 67%
CMY	0.0980, 0.0039, 0.3294
CMYK	0.09, 0.00, 0.33, 0.00
HSL	77°, 98%, 83%
HSV	77°, 33%, 100%
XYZ	75.4256, 90.6469, 52.0493
YIQ	237.3620, 12.3390, -30.9010

Conversions

Conversions Part 2

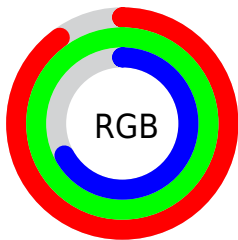
Format	Color
RYB	171, 254, 195
Decimal	15138475
CIELab	96.26, -20.99, 37.18
CIElCh	96, 42.694, 119.445
Yxy	90.6469, 0.3458, 0.4156
Android (android.graphics.Color)	4293328555 (0xFFE6FEAB)
YUV	237.3620, -32.7165, -6.4565
Hunter-Lab	95.2087, -25.2050, 34.2330

Details

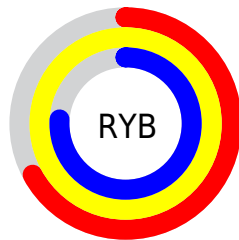
The XYZ color **75.4256, 90.6469, 52.0493** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **54.9616, 47.8861, 100.1172**, and the grayscale version is **81.0150, 85.2340, 92.8199**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **40.6918, 50.2392, 24.6920** is the 20% darker color. If you saturate the color by 10%, you get **70.9261, 88.5835, 40.3922**, and if you desaturate by 10%, it is **80.4944, 92.9556, 66.1652**.

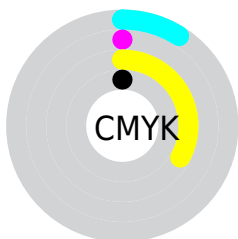
Distribution



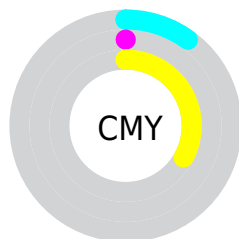
- Red (90%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (76%)



- Cyan (9%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.4256, 90.6469, 52.0493 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.4256, 90.6469, 52.0493 by changing the saturation by 10% instead.


 75.4256, 90.6469,
52.0493

 75.4256, 90.6469,
52.0493


468.3538,
530.1329, 411.5893

 56.2570, 68.5173,
36.6619


 125.8993,
148.2366, 94.6313

 40.6468, 50.3187,
24.6521


157.9352,
184.4656, 122.6629

 28.2297, 35.6667,
15.6014


194.9909,
226.1631, 155.7463

 18.6402, 24.1769,
9.0912

237.4317,
273.7135, 194.3000

 11.5131, 15.4649,
4.7031

285.6231,
327.5014, 238.7427

 6.4829, 9.1463,
2.0185

339.9303,

 3.1843, 4.8367,

387.9110, 289.4927

0.5666

400.7188,
455.3267, 346.9687

■ 1.2519, 2.1518,
0.0000

■ 0.1468, 0.6935,
0.0000

■ 75.4256, 90.6469,
52.0493

■ 75.4256, 90.6469,
52.0493

■ 70.9261, 88.5835,
40.3922

■ 80.4944, 92.9556,
66.1652

■ 66.9610, 86.7422,
31.0471

■ 86.1513, 95.5082,
82.8637

■ 63.5019, 85.1144,
23.8609

■ 92.4228, 98.3182,
102.2672

■ 60.5145, 83.6864,
18.6592

■ 94.7338, 99.3675,
108.7946

■ 57.9594, 82.4422,
15.2410

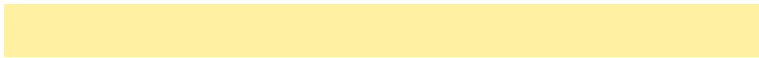
■ 55.7889, 81.3626,
13.3625

■ 54.3930, 80.6562,
12.7014

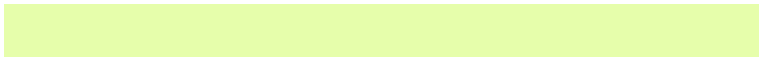
Harmonies

Analogous

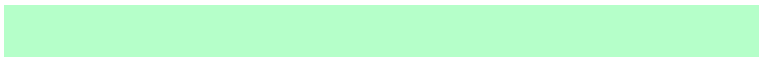
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3781, 90.6469, 46.7362



75.4256, 90.6469, 52.0493



67.9731, 90.6469, 69.0811

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.4256, 90.6469, 52.0493



75.0763, 90.6469, 166.3014



111.0321, 90.6469, 99.3326

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.4256, 90.6469, 52.0493



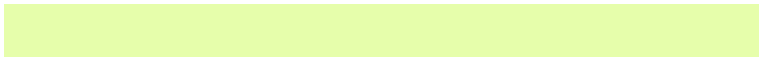
54.9616, 47.8861, 100.1172

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.3254, 90.6469, 135.7629



75.4256, 90.6469, 52.0493



85.9366, 90.6469, 179.4714

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.4256, 90.6469, 52.0493



67.7848, 90.6469, 134.4132



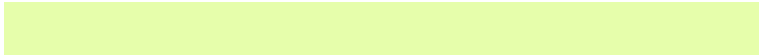
97.8612, 90.6469, 167.1981



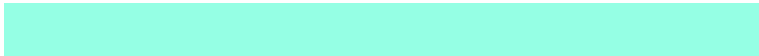
107.5812, 90.6469, 69.9479

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.4256, 90.6469, 52.0493



65.6264, 90.6469, 87.2127



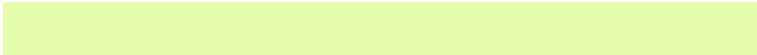
97.8612, 90.6469, 167.1981



110.5770, 90.6469, 111.1522

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.4279, 90.6509, 52.0512



88.5514, 97.0931, 88.5690



67.6340, 62.8279, 47.0916



18.7690, 20.6990, 18.3938



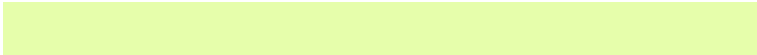
0.0000, 0.0000, 0.0000



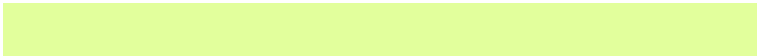
20.3446, 21.4041, 23.3091

Same Dimension

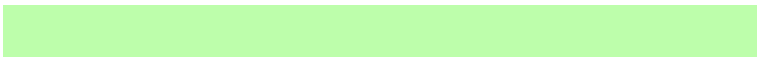
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.4279, 90.6509, 52.0512



73.1613, 90.1123, 44.7905



63.7776, 84.6450, 51.5060



19.0194, 20.8114, 19.1589



28.8286, 42.5998, 6.7032



2.9153, 4.2037, 0.6577

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



54.9616, 47.8861, 100.1172



49.7052, 41.0752, 99.9163



67.0531, 54.1196, 100.6831



17.4965, 17.6322, 22.7311



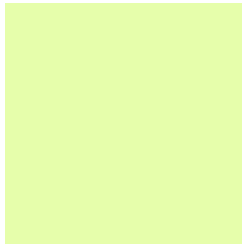
11.0242, 4.5937, 49.7402



1.1760, 0.5002, 4.8478

Previews

White Background



This preview shows how the XYZ color 75.4256, 90.6469, 52.0493 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 75.4256, 90.6469, 52.0493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

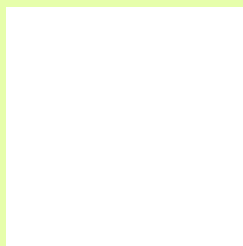
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.4256, 90.6469, 52.0493

Background



This preview shows how black text looks on a background with the XYZ color 75.4256, 90.6469, 52.0493.

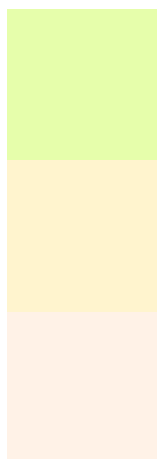


This preview shows how white text looks on a background with the XYZ color 75.4256, 90.6469,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.4256, 90.6469, 52.0493

Protanopia

84.7313, 90.4176, 71.3790

Deuteranopia

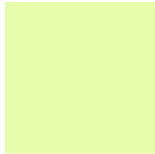
87.4159, 90.5338, 88.4688



Tritanopia

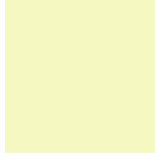
87.0627, 90.3759, 107.4633

Trichromacy



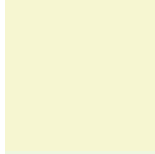
Original Color

75.4256, 90.6469, 52.0493



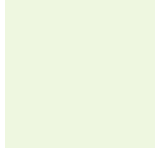
Protanomaly

81.1991, 90.5779, 63.6557



Deuteranomaly

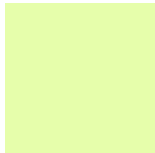
82.4704, 90.1078, 73.3675



Tritanomaly

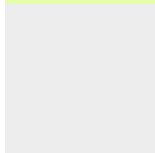
81.9752, 90.0805, 83.5877

Monochromacy



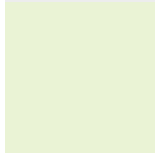
Original Color

75.4256, 90.6469, 52.0493



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

77.9925, 86.3977, 75.5166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.4256, 90.6469, 52.0493 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(230, 254, 171)` looks like.

```
.text, #text, p{  
    color:rgb(230, 254, 171)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(230, 254, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 254, 171) }
```

Border

The CSS property to change the border of an element to XYZ 75.4256, 90.6469, 52.0493 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(230, 254, 171) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(230, 254, 171) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(230, 254, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 254, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 254, 171);  
box-shadow:4px 4px 4px 4px rgb(230, 254,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 75.4256, 90.6469, 52.0493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 254, 171) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(230,  
254, 171) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor