

Converting Colors

XYZ(79.6318, 100.0000,
42.2269)

Have a look what the booklet for
XYZ(79.6318, 100.0000, 42.2269)
contains.

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Color

**XYZ(75.2093, 91.2575,
40.8446)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFF92
RGB	235, 255, 146
RGB Percent	92%, 100%, 57%
CMY	0.0784, 0.0000, 0.4274
CMYK	0.08, 0.00, 0.43, 0.00
HSL	71°, 100%, 79%
HSV	71°, 43%, 100%
XYZ	75.2093, 91.2575, 40.8446
YIQ	236.5940, 23.0690, -38.1390

Conversions

Conversions Part 2

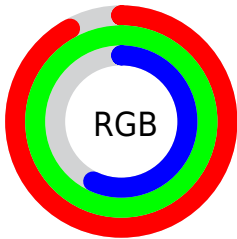
Format	Color
RYB	146, 255, 166
Decimal	15466386
CIELab	96.52, -22.52, 49.75
CIELCh	97, 54.610, 114.349
Yxy	91.2575, 0.3628, 0.4402
Android (android.graphics.Color)	4293656466 (0xFFEBFF92)
YUV	236.5940, -44.6628, -1.3979
Hunter-Lab	95.5288, -26.6433, 41.5199

Details

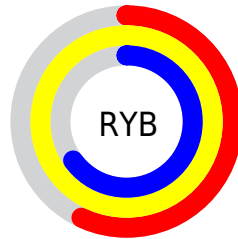
The XYZ color **75.2093, 91.2575, 40.8446** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.0558, 35.8860, 99.2124**, and the grayscale version is **80.5033, 84.6957, 92.2336**.

A 20% lighter version of the original color is **87.5426, 96.9970, 69.3667**, and **40.5300, 50.6435, 17.9949** is the 20% darker color. If you saturate the color by 10%, you get **71.9171, 89.7645, 31.4656**, and if you desaturate by 10%, it is **78.9851, 92.9487, 52.5579**.

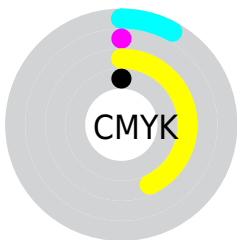
Distribution



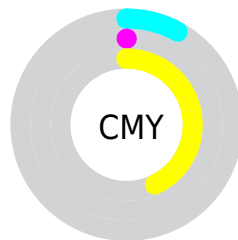
- Red (92%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (65%)



- Cyan (8%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.2093, 91.2575, 40.8446 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 75.2093, 91.2575, 40.8446 by changing the saturation by 10% instead.


 75.2093, 91.2575,
40.8446


 75.2093, 91.2575,
40.8446


467.6228,
532.1130, 365.3281

 56.0792, 69.0241,
27.8789


 125.5949,
149.0839, 77.6990

 40.5036, 50.7313,
17.9961


 157.5811,
185.4457, 102.4249

 28.1174, 35.9948,
10.7778


194.5833,
227.2857, 131.9078

 18.5551, 24.4302,
5.8053

236.9670,
274.9883, 166.5664

 11.4513, 15.6531,
2.6602

285.0974,
328.9379, 206.8192

 6.4408, 9.2790,
0.9233

339.3399,

 3.1581, 4.9236,

389.5190, 253.0847

0.0000

400.0599,
457.1159, 305.7815

■ 1.2379, 2.2025,
0.0000

■ 0.1360, 0.7214,
0.0000

■ 75.2093, 91.2575,
40.8446

■ 75.2093, 91.2575,
40.8446

■ 71.9171, 89.7645,
31.4656

■ 78.9851, 92.9487,
52.5579

■ 69.0776, 88.4572,
24.2604

■ 83.2710, 94.8486,
66.7439

■ 66.6574, 87.3223,
19.0541

■ 88.0925, 96.9675,
83.5348

■ 64.6176, 86.3441,
15.6435

■ 93.4730, 99.3148,
103.0525

■ 62.9110, 85.5038, 95.0500, 100.0000,
13.7822 108.9000

■ 61.8315, 84.9604,
13.1401

Harmonies

Analogous

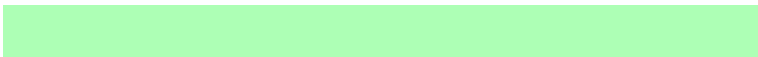
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6547, 91.2575, 37.0664



75.2093, 91.2575, 40.8446



65.0406, 91.2575, 58.0408

Triad

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



75.2093, 91.2575, 40.8446



70.7562, 91.2575, 184.3376



119.2847, 91.2575, 107.8578

Complementary

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



75.2093, 91.2575, 40.8446



44.0558, 35.8860, 99.2124

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.



112.7914, 91.2575, 156.7362



75.2093, 91.2575, 40.8446



83.8843, 91.2575, 208.4474

Square

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



75.2093, 91.2575, 40.8446



62.6882, 91.2575, 138.1320



99.3874, 91.2575, 197.0964



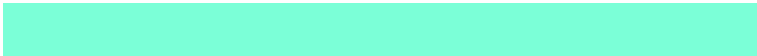
116.2636, 91.2575, 68.6267

Rectangle

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



75.2093, 91.2575, 40.8446



61.4721, 91.2575, 78.4016



99.3874, 91.2575, 197.0964



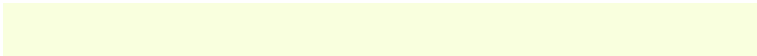
118.1212, 91.2575, 123.7645

Sweetspot

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



75.2095, 91.2576, 40.8459



87.9622, 96.9104, 83.0714



60.0622, 50.6027, 33.7970



18.5903, 20.6389, 16.9414



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

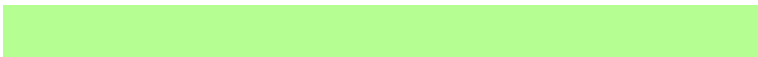
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2095, 91.2576, 40.8459



72.4578, 90.0111, 32.9403



59.8919, 83.3611, 40.1290



19.2152, 20.9123, 19.1681



32.4262, 44.4544, 6.8715



3.2382, 4.3701, 0.6728

Inverse Universe

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



44.0558, 35.8860, 99.2124



37.7376, 28.2465, 98.0709



57.9913, 43.0700, 99.8646



17.3139, 17.5380, 22.7226



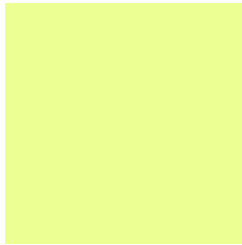
10.1278, 4.1315, 49.6983



1.0657, 0.4433, 4.8427

Previews

White Background



This preview shows how the XYZ color 75.2093, 91.2575, 40.8446 looks on a white background.

Color Contrast Check

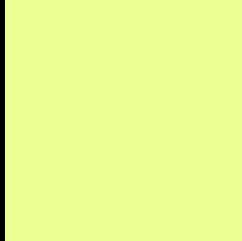
Large Text (above 18pt) WCAG AA × Fail

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 75.2093, 91.2575, 40.8446 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 75.2093, 91.2575, 40.8446

Background



This preview shows how black text looks on a background with the XYZ color 75.2093, 91.2575, 40.8446.

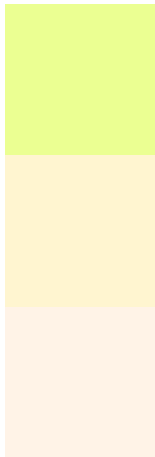


This preview shows how white text looks on a background with the XYZ color 75.2093, 91.2575,

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

75.2093, 91.2575, 40.8446

Protanopia

85.2776, 91.1189, 72.7676

Deuteranopia

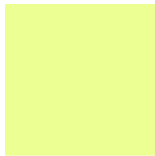
87.7144, 91.1307, 88.5682



Tritanopia

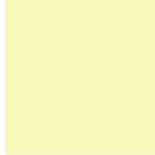
88.4584, 91.0953, 107.5286

Trichromacy



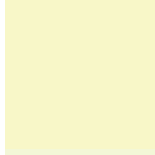
Original Color

75.2093, 91.2575, 40.8446



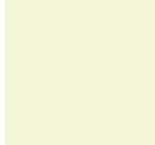
Protanomaly

81.3440, 91.2106, 59.2171



Deuteranomaly

82.3975, 90.6481, 67.7976



Tritanomaly

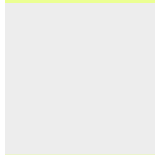
82.4887, 90.4825, 77.4072

Monochromacy



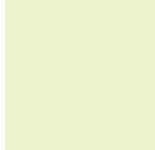
Original Color

75.2093, 91.2575, 40.8446



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

77.8418, 86.8939, 69.7962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.2093, 91.2575, 40.8446 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(235, 255, 146)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 146)  
}
```

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(235, 255, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 146) }
```

Border

The CSS property to change the border of an element to XYZ 75.2093, 91.2575, 40.8446 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(235, 255, 146) }
```


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

```
.border{ border-color:rgb(235, 255, 146) }
```

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

Here you see how a box with a 4 pixel rgb(235, 255, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 146);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 75.2093, 91.2575, 40.8446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 146) }
```

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

```
.background{ background-color: rgb(235,  
255, 146) }
```

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](#).

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