

Converting Colors

XYZ(52.5463, 70.0064, 20.3587)

Have a look what the booklet for
XYZ(52.5463, 70.0064, 20.3587)
contains.

XYZ(52.7226, 70.2225, 20.4484)	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(52.7226, 70.2225,
20.4484)**

Conversions

Conversions Part 1

Format	Color
Hex	C0E95A
RGB	192, 233, 90
RGB Percent	75%, 91%, 35%
CMY	0.2471, 0.0863, 0.6470
CMYK	0.18, 0.00, 0.61, 0.09
HSL	77°, 76%, 63%
HSV	77°, 61%, 91%
XYZ	52.7226, 70.2225, 20.4484
YIQ	204.4390, 21.4670, -53.1650

Conversions

Conversions Part 2

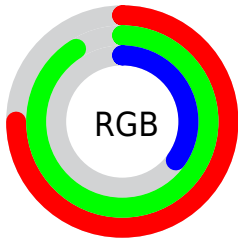
Format	Color
RYB	90, 233, 131
Decimal	12642650
CIELab	87.11, -33.60, 63.24
CIELCh	87, 71.607, 117.982
Yxy	70.2225, 0.3677, 0.4897
Android (android.graphics.Color)	4290832730 (0xFFC0E95A)
YUV	204.4390, -56.4184, -10.9090
Hunter-Lab	83.7989, -34.3436, 44.1914

Details

The XYZ color **52.7226, 70.2225, 20.4484** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **27.7270, 18.0227, 79.1123**, and the grayscale version is **58.0108, 61.0319, 66.4638**.

A 20% lighter version of the original color is **80.6545, 94.0736, 40.6951**, and **25.9482, 36.6889, 6.9424** is the 20% darker color. If you saturate the color by 10%, you get **50.2292, 69.0366, 15.9418**, and if you desaturate by 10%, it is **55.6070, 71.5786, 26.5982**.

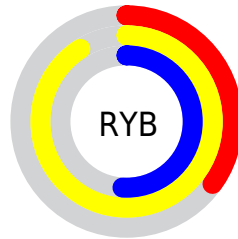
Distribution



Red (75%)

Green (91%)

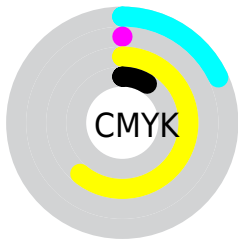
Blue (35%)



Red (35%)

Yellow (91%)

Blue (51%)

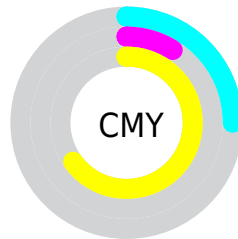


Cyan (18%)

Magenta (0%)

Yellow (61%)

Black (9%)



Cyan (25%)


Magenta (9%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.7226, 70.2225, 20.4484 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 52.7226, 70.2225, 20.4484 by changing the saturation by 10% instead.


 52.7226, 70.2225,
20.4484


 52.7226, 70.2225,
20.4484


387.4982,
461.3309, 267.0164

 37.8080, 51.7079,
12.5341


 93.3640, 119.5260,
45.0365


 26.0102, 36.7723,
6.9816


 119.8214,
151.0837, 62.5474

 16.9640, 25.0313,
3.3723


 150.8572,
187.7580, 84.0942

 10.3040, 16.1004,
1.2877

 186.8367,
229.9332, 110.0955

 5.6648, 9.5952,
0.0517

228.1251,
277.9936, 140.9699

 2.6810, 5.1314,
0.0000

275.0880,

 0.9874, 2.3246,

332.3238, 177.1358

0.0000

328.0906,
393.3081, 219.0118

■ 0.0000, 0.7867,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.7226, 70.2225,
20.4484

■ 52.7226, 70.2225,
20.4484

■ 50.2292, 69.0366,
15.9418

■ 55.6070, 71.5786,
26.5982

■ 48.0905, 67.9988,
12.9149


■ 58.9046, 73.1066,
34.5252


■ 46.2711, 67.0974,
11.1790


■ 62.6415, 74.8193,
44.3547


■ 44.9064, 66.4086,
10.4513


■ 66.8402, 76.7260,
56.1993

 71.5212, 78.8349,
70.1632

 76.7039, 81.1540,
86.3430

 82.4064, 83.6904,
104.8296

 85.0044, 84.9948,
106.5332

 87.3836, 86.2213,
106.6445

Harmonies

Analogous

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



67.8870, 70.2225, 16.3049



52.7226, 70.2225, 20.4484



42.9566, 70.2225, 37.1899

Triad

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



52.7226, 70.2225, 20.4484



51.0589, 70.2225, 184.6048



104.4573, 70.2225, 79.7605

Complementary

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



52.7226, 70.2225, 20.4484



27.7270, 18.0227, 79.1123

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.



98.0063, 70.2225, 136.6550



52.7226, 70.2225, 20.4484



65.6147, 70.2225, 210.9607

Square

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



52.7226, 70.2225, 20.4484



42.1152, 70.2225, 128.5220



83.0549, 70.2225, 190.5227



99.4814, 70.2225, 40.7855

Rectangle

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



52.7226, 70.2225, 20.4484



39.9007, 70.2225, 58.7899



83.0549, 70.2225, 190.5227



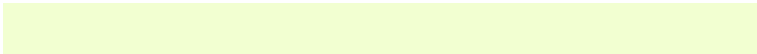
103.5338, 70.2225, 97.3581

Sweetspot

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



52.7243, 70.2256, 20.4499



83.8434, 94.9770, 74.2999



43.5039, 34.1672, 13.9759



17.5984, 20.1720, 14.8835



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.



52.7243, 70.2256, 20.4499



60.8100, 84.3191, 18.2709



38.8696, 63.0833, 19.8015



15.9067, 17.3974, 16.0384



25.6076, 37.7457, 5.9360



2.1048, 3.0124, 0.4705

Inverse Universe

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



27.7270, 18.0227, 79.1123



27.8185, 15.1740, 96.0704



42.7284, 25.7562, 79.8144



14.6369, 14.7581, 18.9994



9.7575, 4.0661, 44.0135



0.8582, 0.3667, 3.4604

Previews

White Background



This preview shows how the XYZ color 52.7226, 70.2225, 20.4484 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 52.7226, 70.2225, 20.4484 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 52.7226, 70.2225, 20.4484

Background



This preview shows how black text looks on a background with the XYZ color 52.7226, 70.2225, 20.4484.

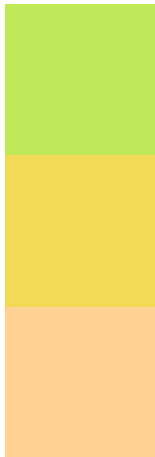


This preview shows how white text looks on a background with the XYZ color 52.7226, 70.2225,

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

52.7226, 70.2225, 20.4484

Protanopia

63.7133, 69.8694, 18.9322

Deuteranopia

69.5531, 69.4598, 37.3450



Tritanopia

66.5062, 69.7542, 89.3155

Trichromacy



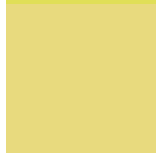
Original Color

52.7226, 70.2225, 20.4484



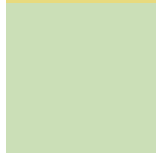
Protanomaly

58.8484, 69.3108, 19.2935



Deuteranomaly

62.1160, 68.8050, 29.7455



Tritanomaly

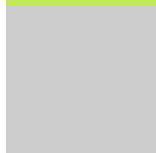
59.5635, 68.8908, 54.9577

Monochromacy



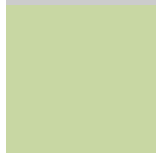
Original Color

52.7226, 70.2225, 20.4484



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.7307, 63.5246, 44.0272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7226, 70.2225, 20.4484 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(192, 233, 90)` looks like.

```
.text, #text, p{  
    color:rgb(192, 233, 90)  
}
```

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(192, 233, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 233, 90) }
```

Border

The CSS property to change the border of an element to XYZ 52.7226, 70.2225, 20.4484 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(192, 233, 90) }
```


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

```
.border{ border-color:rgb(192, 233, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 233, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 233, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 233, 90);  
box-shadow:4px 4px 4px 4px rgb(192, 233,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7226, 70.2225, 20.4484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 233, 90) }
```

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

```
.background{ background-color: rgb(192,  
233, 90) }
```

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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