

Converting Colors

XYZ(54.8349, 70.0682, 10.6344)

Have a look what the booklet for
XYZ(54.8349, 70.0682, 10.6344)
contains.

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Color

**XYZ(54.8752, 70.2953,
10.6761)**

Conversions

Conversions Part 1

Format	Color
Hex	D2E600
RGB	210, 230, 0
RGB Percent	82%, 90%, 0%
CMY	0.1765, 0.0980, 0.9999
CMYK	0.09, 0.00, 1.00, 0.10
HSL	65°, 100%, 45%
HSV	65°, 100%, 90%
XYZ	54.8752, 70.2953, 10.6761
YIQ	197.8000, 61.9100, -75.7700

Conversions

Conversions Part 2

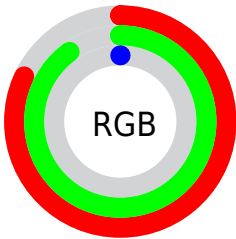
Format	Color
RYB	0, 230, 20
Decimal	13821440
CIELab	87.14, -28.23, 85.61
CIELCh	87, 90.141, 108.254
Yxy	70.2953, 0.4039, 0.5175
Android (android.graphics.Color)	4292011520 (0xFFD2E600)
YUV	197.8000, -97.5154, 10.6994
Hunter-Lab	83.8423, -29.8949, 51.1399

Details

The XYZ color **54.8752, 70.2953, 10.6761** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **14.5734, 5.8633, 75.2309**, and the grayscale version is **54.1062, 56.9240, 61.9902**.

A 20% lighter version of the original color is **78.8455, 93.5182, 23.5681**, and **28.0925, 37.2393, 5.7073** is the 20% darker color. If you saturate the color by 10%, you get **54.8759, 70.2981, 10.6766**, and if you desaturate by 10%, it is **55.6049, 70.6560, 11.5196**.

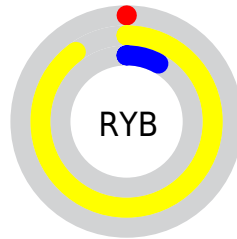
Distribution



Red (82%)

Green (90%)

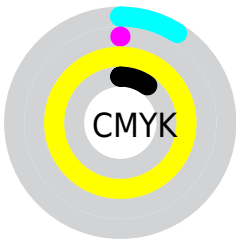
Blue (0%)



Red (0%)

Yellow (90%)

Blue (8%)

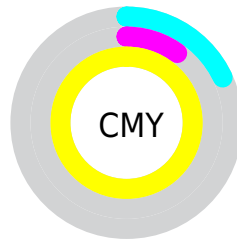


Cyan (9%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (18%)


Magenta (10%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.8752, 70.2953, 10.6761 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 54.8752, 70.2953, 10.6761 by changing the saturation by 10% instead.


 54.8752, 70.2953,
10.6761


 54.8752, 70.2953,
10.6761


395.5828,
461.5862, 206.0887


 39.5353, 51.7673,
5.7381


 96.5075, 119.6298,
27.6871


 27.3590, 36.8196,
2.6203


 123.5305,
151.2051, 40.5971


 17.9810, 25.0679,
0.9029


 155.1786,
187.8982, 57.0015

 11.0359, 16.1276,
0.0000

 191.8172,
230.0937, 77.3189

 6.1585, 9.6145,
0.0000

 233.8115,
278.1758, 101.9678

 2.9833, 5.1441,
0.0000

 281.5270,

 1.1449, 2.3321,

332.5290, 131.3667

0.0000

335.3290,
393.5377, 165.9342

■ 0.0622, 0.7906,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.8752, 70.2953,
10.6761

■ 54.8752, 70.2953,
10.6761

■ 54.8759, 70.2981,
10.6766

■ 55.6049, 70.6560,
11.5196

■ 56.5242, 71.0908,
13.3309

■ 57.6932, 71.6263,
16.4201

■ 59.1461, 72.2761,
20.9663

60.9113, 73.0518,
27.1200

63.0141, 73.9633,
35.0131

65.4769, 75.0196,
44.7638

68.3201, 76.2290,
56.4799

71.5628, 77.5989,
70.2612

Harmonies

Analogous

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



75.4335, 70.2953, 9.7826



54.8752, 70.2953, 10.6761



40.8471, 70.2953, 22.2549

Triad

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



54.8752, 70.2953, 10.6761



43.2422, 70.2953, 200.3631



115.0250, 70.2953, 102.7643

Complementary

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



54.8752, 70.2953, 10.6761



14.5734, 5.8633, 75.2309

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.



101.9542, 70.2953, 183.1372



54.8752, 70.2953, 10.6761



58.8767, 70.2953, 256.4043

Square

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



54.8752, 70.2953, 10.6761



35.1725, 70.2953, 119.0912



80.3688, 70.2953, 248.8246



113.3184, 70.2953, 45.5647

Rectangle

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



54.8752, 70.2953, 10.6761



35.7277, 70.2953, 41.0079



80.3688, 70.2953, 248.8246



112.1177, 70.2953, 128.2689

Sweetspot

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



54.8768, 70.2985, 10.6776



82.6800, 94.7740, 56.3187



32.8714, 17.2964, 1.6069



17.4030, 20.1598, 10.8771



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.



54.8768, 70.2985, 10.6776



69.3044, 88.8128, 13.4898



33.1072, 59.0759, 9.6588



15.4715, 16.7501, 15.3221



31.1185, 39.8237, 6.0466



2.3361, 2.9617, 0.4485

Inverse Universe

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



14.5734, 5.8633, 75.2309



18.3849, 7.3927, 95.0657



24.1448, 10.7976, 75.6788



13.6985, 13.9468, 18.1143



8.2919, 3.3405, 42.5909



0.6531, 0.2676, 3.1492

Previews

White Background



This preview shows how the XYZ color 54.8752, 70.2953, 10.6761 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 54.8752, 70.2953, 10.6761 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 54.8752, 70.2953, 10.6761

Background



This preview shows how black text looks on a background with the XYZ color 54.8752, 70.2953, 10.6761.

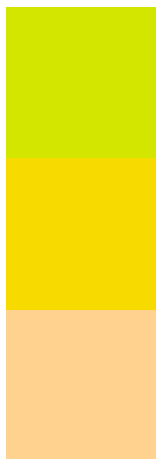


This preview shows how white text looks on a background with the XYZ color 54.8752, 70.2953,

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

54.8752, 70.2953, 10.6761

Protanopia

63.0774, 69.7356, 10.1358

Deuteranopia

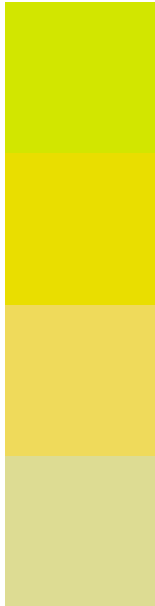
69.4922, 69.8317, 35.8028



Tritanopia

70.1489, 70.1935, 85.4528

Trichromacy



Original Color

54.8752, 70.2953, 10.6761

Protanomaly

59.7255, 69.5662, 10.2797

Deuteranomaly

62.5563, 69.2489, 19.9668

Tritanomaly

60.6785, 68.6651, 37.6594

Monochromacy



Original Color

54.8752, 70.2953, 10.6761

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

51.1696, 60.1561, 28.6530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.8752, 70.2953, 10.6761 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(210, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(210, 230, 0)  
}
```

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(210, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 230, 0) }
```

Border

The CSS property to change the border of an element to XYZ 54.8752, 70.2953, 10.6761 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(210, 230, 0) }
```


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

```
.border{ border-color:rgb(210, 230, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 230, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 230, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 230, 0);  
box-shadow:4px 4px 4px 4px rgb(210, 230,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 54.8752, 70.2953, 10.6761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 230, 0) }
```

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

```
.background{ background-color: rgb(210,  
230, 0) }
```

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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