

# Converting Colors

XYZ(52.1584, 56.6813, 22.8453)

Have a look what the booklet for  
XYZ(52.1584, 56.6813, 22.8453)  
contains.

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# Color

**XYZ(52.2220, 56.5740,  
22.9193)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBC66E
RGB	219, 198, 110
RGB Percent	86%, 78%, 43%
CMY	0.1412, 0.2235, 0.5686
CMYK	0.00, 0.10, 0.50, 0.14
HSL	48°, 60%, 65%
HSV	48°, 50%, 86%
XYZ	52.2220, 56.5740, 22.9193
YIQ	194.2470, 40.7640, -22.9160

# Conversions

## Conversions Part 2

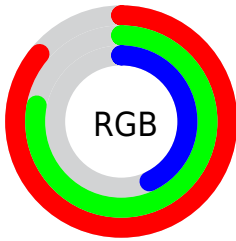
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 219, 110
Decimal	14403182
CIELab	79.94, -4.01, 46.44
CIELCh	80, 46.614, 94.937
Yxy	56.5740, 0.3965, 0.4295
Android (android.graphics.Color)	4292593262 (0xFFDBC66E)
YUV	194.2470, -41.5338, 21.7084
Hunter-Lab	75.2157, -7.6955, 34.5845

# Details

The XYZ color **52.2220, 56.5740, 22.9193** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.3327, 24.6613, 70.3373**, and the grayscale version is **51.6472, 54.3369, 59.1729**.

A 20% lighter version of the original color is **83.6109, 95.4243, 48.6623**, and **25.6630, 27.9437, 8.1788** is the 20% darker color. If you saturate the color by 10%, you get **50.2236, 54.2554, 17.0800**, and if you desaturate by 10%, it is **54.5447, 59.0695, 30.3215**.

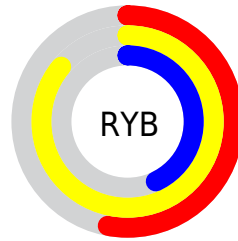
# Distribution



Red (86%)

Green (78%)

Blue (43%)



Red (53%)

Yellow (86%)

Blue (43%)

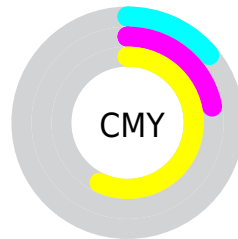


Cyan (0%)

Magenta (10%)

Yellow (50%)

Black (14%)



Cyan (14%)

Magenta (22%)

Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2220, 56.5740, 22.9193 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 52.2220, 56.5740, 22.9193 by changing the saturation by 10% instead.



■ 52.2220, 56.5740,  
22.9193

■ 52.2220, 56.5740,  
22.9193

385.6030,  
411.8511, 280.4187

■ 37.4070, 40.6633,  
14.3292

■ 92.6308, 99.8433,  
49.1823

■ 25.6979, 28.0561,  
8.2086

■ 118.9555,  
127.9708, 67.6923

■ 16.7293, 18.3680,  
4.1390

■ 149.8473,  
160.9393, 90.3459

■ 10.1358, 11.2145,  
1.7019

■ 185.6718,  
199.1332, 117.5618

■ 5.5520, 6.2113,  
0.3621

226.7942,  
242.9369, 149.7585

■ 2.6127, 2.9740,  
0.0000

273.5800,

■ 0.9524, 1.1182,

292.7349, 187.3546

0.0000

326.3945,  
348.9115, 230.7684

■ 0.0000, 0.0000,  
0.0000

■ 52.2220, 56.5740,  
22.9193

■ 52.2220, 56.5740,  
22.9193

■ 50.2236, 54.2554,  
17.0800

■ 54.5447, 59.0695,  
30.3215

■ 48.5230, 52.0964,  
12.6838

■ 57.2076, 61.7423,  
39.3879

■ 47.0962, 50.0892,  
9.5987

■ 60.2304, 64.6028,  
50.2152

■ 45.9130, 48.2213,  
7.6673

■ 63.6301, 67.6579,  
62.8915

■ 44.9214, 46.4717,  
6.6168

■ 67.4226, 70.9145,  
77.4994

44.8996, 46.4324,  
6.5959

71.6226, 74.3788,  
94.1161

74.8785, 77.5103,  
105.6222

76.0500, 79.8533,  
106.0127

77.2500, 82.2534,  
106.4127

# Harmonies

## Analogous

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



61.8483, 56.5740, 25.4432



52.2220, 56.5740, 22.9193



44.0162, 56.5740, 28.0109

# Triad

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



52.2220, 56.5740, 22.9193



40.2003, 56.5740, 96.4949



71.9827, 56.5740, 86.3979

# Complementary

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



52.2220, 56.5740, 22.9193



27.3327, 24.6613, 70.3373

# 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.



64.8721, 56.5740, 114.9130



52.2220, 56.5740, 22.9193



46.4310, 56.5740, 121.8399

# Square

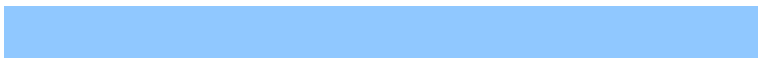
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.2220, 56.5740, 22.9193



37.6140, 56.5740, 66.1912



55.3521, 56.5740, 129.4132



73.9989, 56.5740, 57.2252



# Rectangle

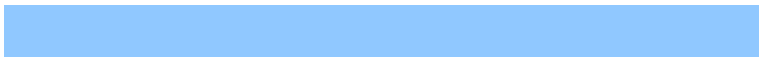
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.2220, 56.5740, 22.9193



40.2191, 56.5740, 36.2646



55.3521, 56.5740, 129.4132



70.0713, 56.5740, 96.6207

# Sweetspot

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



52.2234, 56.5766, 22.9205



87.1864, 93.1658, 78.8629



38.9409, 27.8730, 25.0864



18.4466, 19.7469, 16.0829



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.



52.2234, 56.5766, 22.9205



70.7071, 76.3569, 23.5821



48.4689, 62.2656, 24.2164



13.9380, 14.8154, 13.8506



26.7004, 27.6864, 3.9367



1.7856, 1.9053, 0.2737



# Inverse Universe

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



27.3327, 24.6613, 70.3373



31.7090, 26.4038, 98.0329



29.6385, 22.0799, 69.7175



12.5407, 13.0211, 16.5045



8.1366, 4.1426, 40.1092



0.5871, 0.3884, 2.6185



# Previews

## White Background



This preview shows how the XYZ color 52.2220, 56.5740, 22.9193 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

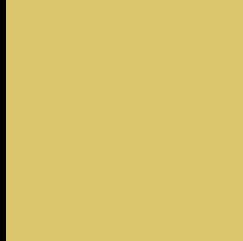
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.2220, 56.5740, 22.9193 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 52.2220, 56.5740, 22.9193**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.2220, 56.5740, 22.9193.



This preview shows how white text looks on a background with the XYZ color 52.2220, 56.5740,



# 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

52.2220, 56.5740, 22.9193

### Protanopia

51.9220, 56.4194, 22.9053

### Deuteranopia

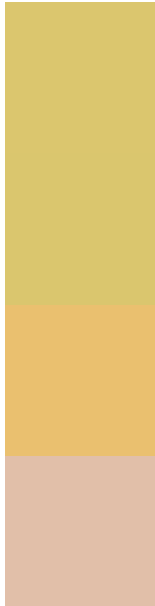
57.7402, 56.4423, 23.1804



## Tritanopia

60.4259, 56.2989, 63.5591

# Trichromacy



## Original Color

52.2220, 56.5740, 22.9193

## Protanomaly

51.9220, 56.4194, 22.9053

## Deuteranomaly

55.6506, 56.3394, 22.9804

## Tritanomaly

56.8436, 56.1337, 45.3750

# Monochromacy



## Original Color

52.2220, 56.5740, 22.9193

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

50.7546, 54.3711, 42.4699

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.2220, 56.5740, 22.9193 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(219, 198, 110)` looks like.

```
.text, #text, p{  
    color:rgb(219, 198, 110)  
}
```

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(219, 198, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 198, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 52.2220, 56.5740, 22.9193 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(219, 198, 110) }
```



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

```
.border{ border-color:rgb(219, 198, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 198, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 198, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 198, 110);  
box-shadow:4px 4px 4px 4px rgb(219, 198,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.2220, 56.5740, 22.9193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 198, 110) }
```

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

```
.background{ background-color: rgb(219,  
198, 110) }
```

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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