

Converting Colors

XYZ(55.8856, 64.0658, 21.9057)

Have a look what the booklet for
XYZ(55.8856, 64.0658, 21.9057)
contains.

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Color

**XYZ(55.9600, 64.2681,
22.0259)**

Conversions

Conversions Part 1

Format	Color
Hex	DCD666
RGB	220, 214, 102
RGB Percent	86%, 84%, 40%
CMY	0.1373, 0.1608, 0.6000
CMYK	0.00, 0.03, 0.54, 0.14
HSL	57°, 63%, 63%
HSV	57°, 54%, 86%
XYZ	55.9600, 64.2681, 22.0259
YIQ	203.0260, 39.5280, -33.5600

Conversions

Conversions Part 2

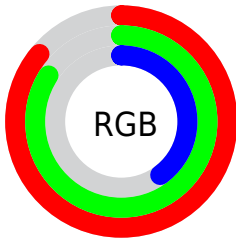
Format	Color
R _{YB}	108, 220, 102
Decimal	14472806
CIE Lab	84.11, -12.42, 55.19
CIE LCh	84, 56.570, 102.684
Yxy	64.2681, 0.3934, 0.4518
Android (android.graphics.Color)	4292662886 (0xFFDCD666)
YUV	203.0260, -49.8058, 14.8862
Hunter-Lab	80.1674, -15.6929, 39.8273

Details

The XYZ color **55.9600, 64.2681, 22.0259** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.7602, 18.7166, 70.0701**, and the grayscale version is **57.0681, 60.0401, 65.3837**.

A 20% lighter version of the original color is **83.0008, 95.1803, 45.4495**, and **28.2294, 33.1499, 7.8164** is the 20% darker color. If you saturate the color by 10%, you get **54.7293, 63.3272, 16.9288**, and if you desaturate by 10%, it is **57.4852, 65.3346, 28.6508**.

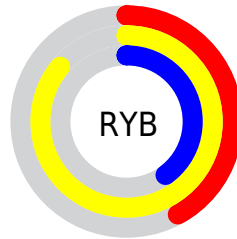
Distribution



Red (86%)

Green (84%)

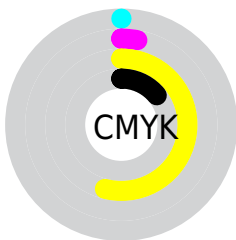
Blue (40%)



Red (42%)

Yellow (86%)

Blue (40%)

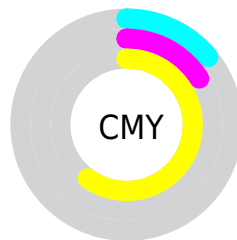


Cyan (0%)

Magenta (3%)

Yellow (54%)

Black (14%)



Cyan (14%)

Magenta (16%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9600, 64.2681, 22.0259 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 55.9600, 64.2681, 22.0259 by changing the saturation by 10% instead.

■ 55.9600, 64.2681,
22.0259

■ 55.9600, 64.2681,
22.0259

399.6182,
440.1572, 275.6394

■ 40.4077, 46.8679,
13.6774

■ 98.0862, 110.9970,
47.6915

■ 28.0422, 32.9312,
7.7605

■ 125.3909,
141.0944, 65.8458

■ 18.4981, 22.0737,
3.8565

■ 157.3438,
176.1929, 88.1057

■ 11.4100, 13.9111,
1.5470

■ 194.3102,
216.6771, 114.8899

■ 6.4127, 8.0589,
0.2525

236.6555,
262.9312, 146.6168

■ 3.1406, 4.1326,
0.0000

284.7450,

■ 1.2286, 1.7480,

315.3396, 183.7050

0.0000

338.9441,
374.2868, 226.5730

■ 0.1287, 0.4545,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.9600, 64.2681,
22.0259

■ 55.9600, 64.2681,
22.0259

■ 54.7293, 63.3272,
16.9288

■ 57.4852, 65.3346,
28.6508

■ 53.7651, 62.4936,
13.2322


■ 59.3212, 66.5262,
36.9096


■ 53.0418, 61.7595,
10.7945


■ 61.4885, 67.8535,
46.9034


■ 52.5265, 61.1117,
9.4429


■ 64.0046, 69.3233,
58.7241


 52.2725, 60.7306,
8.9671

 66.8856, 70.9423,
72.4571

 70.1468, 72.7165,
88.1825

 73.6407, 74.5869,
105.1232

 73.9382, 75.1819,
105.2223

 74.2376, 75.7808,
105.3222

Harmonies

Analogous

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



68.5187, 64.2681, 22.6987



55.9600, 64.2681, 22.0259



46.2015, 64.2681, 30.6043

Triad

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



55.9600, 64.2681, 22.0259



45.0710, 64.2681, 127.7586



87.0122, 64.2681, 92.5203

Complementary

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



55.9600, 64.2681, 22.0259



23.7602, 18.7166, 70.0701

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.



78.8637, 64.2681, 133.7238



55.9600, 64.2681, 22.0259



54.2092, 64.2681, 158.3645

Square

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



55.9600, 64.2681, 22.0259



40.5158, 64.2681, 86.1985



66.5135, 64.2681, 160.8588



87.6501, 64.2681, 55.9302

Rectangle

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



55.9600, 64.2681, 22.0259



42.1284, 64.2681, 42.9124



66.5135, 64.2681, 160.8588



85.0145, 64.2681, 106.5404

Sweetspot

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



55.9615, 64.2711, 22.0272



88.5056, 96.3301, 77.6812



37.0741, 25.8418, 17.7486



18.7844, 20.5261, 15.8763



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.



55.9615, 64.2711, 22.0272



76.3353, 88.3738, 23.1140



44.3253, 60.5659, 21.9253



14.1026, 15.1446, 13.9055



30.7039, 35.6934, 5.2712



2.0069, 2.3479, 0.3474

Inverse Universe

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



23.7602, 18.7166, 70.0701



27.0094, 18.6166, 96.7775



30.8322, 21.4560, 70.2262



12.3915, 12.7227, 16.4548



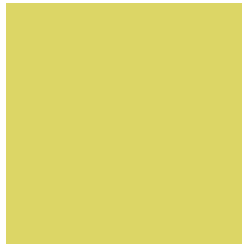
7.6772, 3.2238, 39.9560



0.5165, 0.2471, 2.5949

Previews

White Background



This preview shows how the XYZ color 55.9600, 64.2681, 22.0259 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 55.9600, 64.2681, 22.0259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

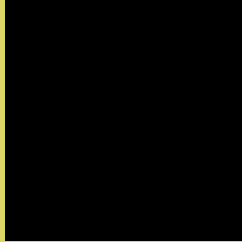
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.9600, 64.2681, 22.0259

Background



This preview shows how black text looks on a background with the XYZ color 55.9600, 64.2681, 22.0259.



This preview shows how white text looks on a background with the XYZ color 55.9600, 64.2681,

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

55.9600, 64.2681, 22.0259

Protanopia

58.6743, 64.1886, 21.6091

Deuteranopia

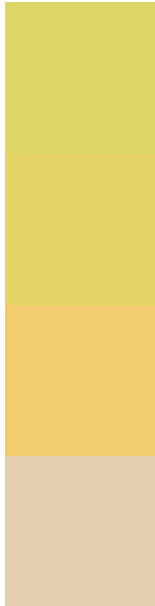
65.0467, 63.8295, 25.4150



Tritanopia

66.3660, 63.7720, 74.4570

Trichromacy



Original Color

55.9600, 64.2681, 22.0259

Protanomaly

57.6381, 64.0221, 21.6316

Deuteranomaly

61.3185, 63.6876, 24.1000

Tritanomaly

61.4877, 63.5687, 49.5867

Monochromacy



Original Color

55.9600, 64.2681, 22.0259

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

55.4903, 60.9341, 44.9132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9600, 64.2681, 22.0259 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(220, 214, 102)` looks like.

```
.text, #text, p{  
    color:rgb(220, 214, 102)  
}
```

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(220, 214, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 214, 102) }
```

Border

The CSS property to change the border of an element to XYZ 55.9600, 64.2681, 22.0259 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(220, 214, 102) }
```


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

```
.border{ border-color:rgb(220, 214, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 214, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 214, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 214, 102);  
box-shadow:4px 4px 4px 4px rgb(220, 214,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9600, 64.2681, 22.0259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 214, 102) }
```

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

```
.background{ background-color: rgb(220,  
214, 102) }
```

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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