

Converting Colors

XYZ(55.0699, 66.7730, 9.9860)

Have a look what the booklet for
XYZ(55.0699, 66.7730, 9.9860)
contains.

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Color

**XYZ(55.0699, 66.7730,
9.9860)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | DBDD00 |
| RGB | 219, 221, 0 |
| RGB Percent | 86%, 87%, 0% |
| CMY | 0.1412, 0.1333, 0.9999 |
| CMYK | 0.01, 0.00, 1.00, 0.13 |
| HSL | 61°, 100%, 43% |
| HSV | 61°, 100%, 87% |
| XYZ | 55.0699, 66.7730, 9.9860 |
| YIQ | 195.2080, 69.7490, -69.1550 |

Conversions

Conversions Part 2

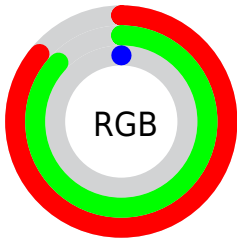
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 0, 221, 2 |
| Decimal | 14408960 |
| CIE _{Lab} | 85.39, -20.19, 84.62 |
| CIE _{LCh} | 85, 86.991, 103.420 |
| Yxy | 66.7730, 0.4177, 0.5065 |
| Android (android.graphics.Color) | 4292599040 (0xFFDBDD00) |
| YUV | 195.2080, -96.2375, 20.8656 |
| Hunter-Lab | 81.7147, -22.7046, 49.9548 |

Details

The XYZ color **55.0699, 66.7730, 9.9860** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **13.0778, 5.2346, 68.7319**, and the grayscale version is **52.5266, 55.2621, 60.1804**.

A 20% lighter version of the original color is **78.8032, 93.5013, 23.3454**, and **27.9343, 34.6434, 5.2145** is the 20% darker color. If you saturate the color by 10%, you get **55.0712, 66.7760, 9.9865**, and if you desaturate by 10%, it is **55.2778, 66.8656, 10.7586**.

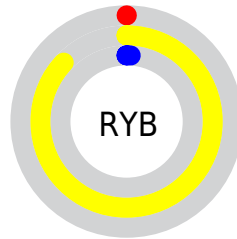
Distribution



Red (86%)

Green (87%)

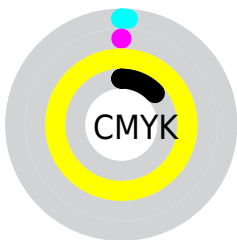
Blue (0%)



Red (0%)

Yellow (87%)

Blue (1%)

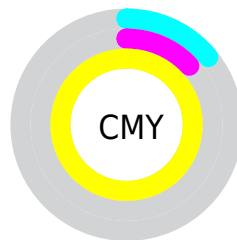


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (14%)

Magenta (13%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0699, 66.7730, 9.9860 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 55.0699, 66.7730, 9.9860 by changing the saturation by 10% instead.

■ 55.0699, 66.7730,
9.9860

■ 55.0699, 66.7730,
9.9860

396.3089,
449.1363, 201.0533

■ 39.6918, 48.9002,
5.2842

■ 96.7911, 114.5951,
26.3766

■ 27.4814, 34.5403,
2.3533

■ 123.8648,
145.3131, 38.9024

■ 18.0736, 23.3090,
0.7609

■ 155.5678,
181.0817, 54.8733

■ 11.1028, 14.8218,
0.0000

■ 192.2654,
222.2852, 74.7079

■ 6.2038, 8.6944,
0.0000

■ 234.3230,
269.3080, 98.8246

■ 3.0113, 4.5424,
0.0000

■ 282.1059,

■ 1.1597, 1.9814,

322.5346, 127.6421

0.0000

335.9794,
382.3492, 161.5788

■ 0.0742, 0.5966,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.0699, 66.7730,
9.9860

■ 55.0699, 66.7730,
9.9860

■ 55.0712, 66.7760,
9.9865

■ 55.2778, 66.8656,
10.7586

■ 55.6511, 67.0220,
12.4091

■ 56.2459, 67.2669,
15.2250

■ 57.0928, 67.6126,
19.3681

■ 58.2177, 68.0696,
24.9748

■ 59.6432, 68.6469,
32.1644

■ 61.3898, 69.3525,
41.0441

■ 63.4760, 70.1940,
51.7119

■ 65.9190, 71.1783,
64.2579

Harmonies

Analogous

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



74.9064, 66.7730, 10.4041



55.0699, 66.7730, 9.9860



40.8175, 66.7730, 18.9298

Triad

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



55.0699, 66.7730, 9.9860



39.7263, 66.7730, 175.7364



107.1597, 66.7730, 108.2834

Complementary

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



55.0699, 66.7730, 9.9860



13.0778, 5.2346, 68.7319

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.



93.2421, 66.7730, 183.4703



55.0699, 66.7730, 9.9860



53.2537, 66.7730, 234.2358

Square

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



55.0699, 66.7730, 9.9860



33.2783, 66.7730, 100.9167



72.6743, 66.7730, 237.6314



107.9285, 66.7730, 50.3110

Rectangle

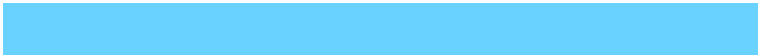
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.0699, 66.7730, 9.9860



35.2476, 66.7730, 34.1495



72.6743, 66.7730, 237.6314



103.7511, 66.7730, 132.8874

Sweetspot

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



55.0714, 66.7761, 9.9874



84.8311, 95.8829, 56.4194



29.8211, 15.3738, 1.3965



17.9267, 20.4298, 10.9016



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.



55.0714, 66.7761, 9.9874



76.1531, 92.3434, 13.8104



32.3533, 55.0645, 8.9242



14.1499, 15.2575, 13.9248



31.9953, 38.7917, 5.8012



2.0767, 2.5151, 0.3760

Inverse Universe

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



13.0778, 5.2346, 68.7319



18.0790, 7.2349, 95.0514



19.5473, 8.5697, 69.0347



12.3496, 12.6228, 16.4377



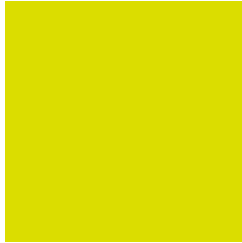
7.6013, 3.0428, 39.9251



0.4964, 0.1992, 2.5867

Previews

White Background



This preview shows how the XYZ color 55.0699, 66.7730, 9.9860 looks on a white background.

Color Contrast Check

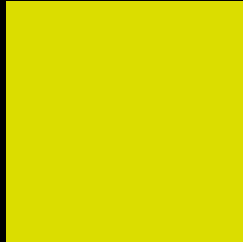
Large Text (above 18pt) WCAG AA × Fail

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 55.0699, 66.7730, 9.9860 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 55.0699, 66.7730, 9.9860

Background



This preview shows how black text looks on a background with the XYZ color 55.0699, 66.7730, 9.9860.



This preview shows how white text looks on a background with the XYZ color 55.0699, 66.7730,

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

55.0699, 66.7730, 9.9860

Protanopia

60.3222, 66.7939, 9.7132

Deuteranopia

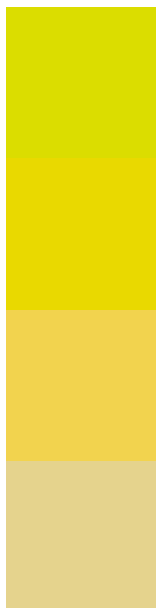
66.5842, 66.3278, 27.7055



Tritanopia

68.8142, 66.3755, 77.5915

Trichromacy



Original Color

55.0699, 66.7730, 9.9860

Protanomaly

58.4171, 66.9493, 9.8436

Deuteranomaly

61.2874, 66.0158, 16.7199

Tritanomaly

60.4151, 65.1696, 34.5941

Monochromacy



Original Color

55.0699, 66.7730, 9.9860

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.1328, 57.4783, 27.5209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.0699, 66.7730, 9.9860 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, 221, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 221, 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(219, 221, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 221, 0) }
```

Border

The CSS property to change the border of an element to XYZ 55.0699, 66.7730, 9.9860 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, 221, 0) }
```


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

```
.border{ border-color:rgb(219, 221, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 221, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 221, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 221, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 221,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 55.0699, 66.7730, 9.9860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 221, 0) }
```

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

```
.background{ background-color: rgb(219,  
221, 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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