

Converting Colors

XYZ(55.6783, 61.8280, 20.3795)

Have a look what the booklet for
XYZ(55.6783, 61.8280, 20.3795)
contains.

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Color

**XYZ(55.7649, 61.9824,
20.3339)**

Conversions

Conversions Part 1

Format	Color
Hex	E1D061
RGB	225, 208, 97
RGB Percent	88%, 82%, 38%
CMY	0.1176, 0.1843, 0.6196
CMYK	0.00, 0.08, 0.57, 0.12
HSL	52°, 68%, 63%
HSV	52°, 57%, 88%
XYZ	55.7649, 61.9824, 20.3339
YIQ	200.4290, 45.7630, -30.9170

Conversions

Conversions Part 2

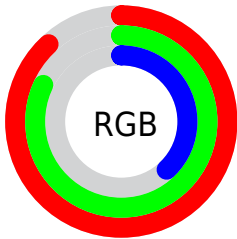
Format	Color
RYB	117, 225, 97
Decimal	14798945
CIELab	82.90, -7.73, 56.21
CIELCh	83, 56.735, 97.832
Yxy	61.9824, 0.4039, 0.4489
Android (android.graphics.Color)	4292989025 (0xFFE1D061)
YUV	200.4290, -50.9905, 21.5488
Hunter-Lab	78.7289, -11.3413, 39.7970

Details

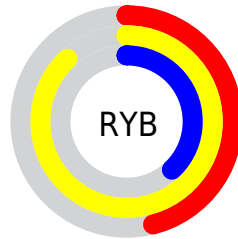
The XYZ color **55.7649, 61.9824, 20.3339** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.5376, 20.0116, 73.8032**, and the grayscale version is **55.4509, 58.3386, 63.5308**.

A 20% lighter version of the original color is **82.5859, 95.0144, 43.2650**, and **27.9280, 31.5011, 6.8939** is the 20% darker color. If you saturate the color by 10%, you get **54.1401, 60.1804, 15.3303**, and if you desaturate by 10%, it is **57.7039, 63.9367, 26.9113**.

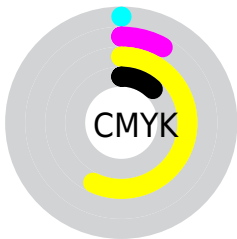
Distribution



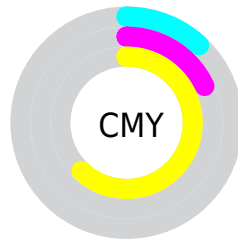
- Red (88%)
- Green (82%)
- Blue (38%)



- Red (46%)
- Yellow (88%)
- Blue (38%)



- Cyan (0%)
- Magenta (8%)
- Yellow (57%)
- Black (12%)



- Cyan (12%)
- Magenta (18%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.7649, 61.9824, 20.3339 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 55.7649, 61.9824, 20.3339 by changing the saturation by 10% instead.

■ 55.7649, 61.9824,
20.3339

■ 55.7649, 61.9824,
20.3339

398.8943,
431.8669, 266.3808

■ 40.2507, 45.0185,
12.4515

■ 97.8026, 107.7001,
44.8426

■ 27.9192, 31.4720,
6.9257

■ 125.0567,
137.2227, 62.3060

■ 18.4049, 20.9585,
3.3379

■ 156.9550,
171.7002, 83.8001

■ 11.3425, 13.0937,
1.2697

■ 193.8626,
211.5172, 109.7435

■ 6.3667, 7.4931,
0.0367

236.1450,
257.0579, 140.5547

■ 3.1121, 3.7723,
0.0000

284.1675,

■ 1.2133, 1.5470,

308.7069, 176.6523

0.0000

338.2955,
366.8484, 218.4548

■ 0.1168, 0.3215,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.7649, 61.9824,
20.3339

■ 55.7649, 61.9824,
20.3339

■ 54.1401, 60.1804,
15.3303

■ 57.7039, 63.9367,
26.9113

■ 52.7991, 58.5113,
11.7602


■ 59.9755, 66.0438,
35.1790


■ 51.7129, 56.9660,
9.4653


■ 62.6021, 68.3151,
45.2472


■ 50.8424, 55.5285,
8.2395


■ 65.6025, 70.7582,
57.2154

 50.5949, 55.0948,
7.9677

 68.9944, 73.3803,
71.1759

 72.7942, 76.1881,
87.2151

 77.0175, 79.1880,
105.4141

 77.9308, 80.8866,
106.1130

 78.7783, 82.5818,
106.3956

Harmonies

Analogous

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



68.2404, 61.9824, 22.3526



55.7649, 61.9824, 20.3339



45.6314, 61.9824, 27.0412

Triad

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



55.7649, 61.9824, 20.3339



42.2197, 61.9824, 117.8098



83.4895, 61.9824, 96.2294

Complementary

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



55.7649, 61.9824, 20.3339



24.5376, 20.0116, 73.8032

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.



74.5486, 61.9824, 135.8964



55.7649, 61.9824, 20.3339



50.4758, 61.9824, 151.0663

Square

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



55.7649, 61.9824, 20.3339



38.5481, 61.9824, 77.0905



62.1762, 61.9824, 158.6341



85.4209, 61.9824, 58.7185

Rectangle

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



55.7649, 61.9824, 20.3339



41.1609, 61.9824, 37.6025



62.1762, 61.9824, 158.6341



81.1498, 61.9824, 110.0794

Sweetspot

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



55.7664, 61.9853, 20.3352



87.0309, 93.8985, 75.5933



38.3674, 25.7739, 18.8929



18.4473, 19.9538, 15.4496



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.



55.7664, 61.9853, 20.3352



71.5984, 79.5642, 19.4869



47.4585, 64.1863, 21.1979



14.7084, 15.7028, 14.5625



29.2174, 31.8727, 4.6121



2.0688, 2.2965, 0.3342

Inverse Universe

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



24.5376, 20.0116, 73.8032



26.5081, 19.0222, 96.8823



29.3558, 19.9096, 73.5296



13.0980, 13.5352, 17.3099



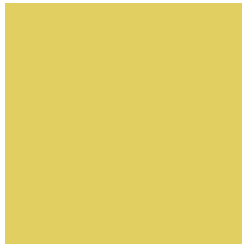
8.1451, 3.7598, 41.3448



0.6127, 0.3568, 2.8818

Previews

White Background



This preview shows how the XYZ color 55.7649, 61.9824, 20.3339 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 55.7649, 61.9824, 20.3339 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 55.7649, 61.9824, 20.3339

Background



This preview shows how black text looks on a background with the XYZ color 55.7649, 61.9824, 20.3339.

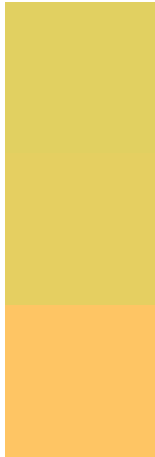


This preview shows how white text looks on a background with the XYZ color 55.7649, 61.9824,

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

55.7649, 61.9824, 20.3339

Protanopia

56.7836, 62.1467, 20.3120

Deuteranopia

63.1396, 61.9234, 20.6812



Tritanopia

66.0899, 62.0159, 70.1150

Trichromacy



Original Color

55.7649, 61.9824, 20.3339

Protanomaly

56.4654, 61.9827, 20.2971

Deuteranomaly

60.1009, 61.7288, 20.5516

Tritanomaly

61.1887, 61.3666, 46.6502

Monochromacy



Original Color

55.7649, 61.9824, 20.3339

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

54.2613, 58.9115, 43.1615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7649, 61.9824, 20.3339 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(225, 208, 97)` looks like.

```
.text, #text, p{  
    color:rgb(225, 208, 97)  
}
```

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(225, 208, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 208, 97) }
```

Border

The CSS property to change the border of an element to XYZ 55.7649, 61.9824, 20.3339 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(225, 208, 97) }
```


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

```
.border{ border-color:rgb(225, 208, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 208, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 208, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 208, 97);  
box-shadow:4px 4px 4px 4px rgb(225, 208,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7649, 61.9824, 20.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 208, 97) }
```

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

```
.background{ background-color: rgb(225,  
208, 97) }
```

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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