

Converting Colors

XYZ(58.3212, 66.6303, 19.6244)

Have a look what the booklet for
XYZ(58.3212, 66.6303, 19.6244)
contains.

XYZ(58.3797, 66.7119, 19.6973)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.3797, 66.7119,
19.6973)**

Conversions

Conversions Part 1

Format	Color
Hex	E3D95B
RGB	227, 217, 91
RGB Percent	89%, 85%, 36%
CMY	0.1098, 0.1490, 0.6431
CMYK	0.00, 0.04, 0.60, 0.11
HSL	56°, 71%, 62%
HSV	56°, 60%, 89%
XYZ	58.3797, 66.7119, 19.6973
YIQ	205.6260, 46.4060, -37.0660

Conversions

Conversions Part 2

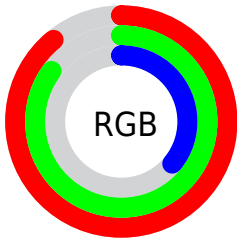
Format	Color
RYB	102, 227, 91
Decimal	14932315
CIELab	85.36, -11.87, 61.64
CIELCh	85, 62.775, 100.897
Yxy	66.7119, 0.4032, 0.4608
Android (android.graphics.Color)	4293122395 (0xFFE3D95B)
YUV	205.6260, -56.5106, 18.7450
Hunter-Lab	81.6774, -15.3507, 42.8758

Details

The XYZ color **58.3797, 66.7119, 19.6973** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **22.8332, 17.0772, 74.7654**, and the grayscale version is **58.7575, 61.8175, 67.3193**.

A 20% lighter version of the original color is **82.1883, 94.8553, 41.1713**, and **29.5712, 34.3912, 6.5930** is the 20% darker color. If you saturate the color by 10%, you get **57.1176, 65.5251, 15.1548**, and if you desaturate by 10%, it is **59.9454, 68.0321, 25.8034**.

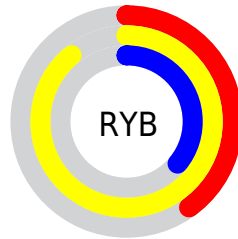
Distribution



Red (89%)

Green (85%)

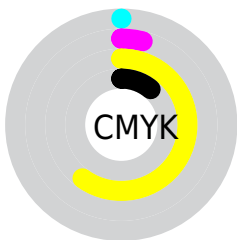
Blue (36%)



Red (40%)

Yellow (89%)

Blue (36%)

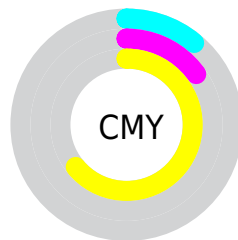


Cyan (0%)

Magenta (4%)

Yellow (60%)

Black (11%)



Cyan (11%)

Magenta (15%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3797, 66.7119, 19.6973 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 58.3797, 66.7119, 19.6973 by changing the saturation by 10% instead.

■ 58.3797, 66.7119,
19.6973

■ 58.3797, 66.7119,
19.6973

408.5304,
448.9186, 262.8215

■ 42.3584, 48.8505,
11.9933

■ 101.5954,
114.5075, 43.7614

■ 29.5744, 34.5009,
6.6166

■ 129.5205,
145.2105, 60.9586

■ 19.6622, 23.2787,
3.1487

■ 162.1443,
180.9629, 82.1572

■ 12.2566, 14.7994,
1.1711

■ 199.8320,
222.1490, 107.7759

■ 6.9921, 8.6787,
0.0000

242.9492,
269.1532, 138.2331

■ 3.5035, 4.5322,
0.0000

291.8611,

■ 1.4253, 1.9755,

322.3599, 173.9474

0.0000

346.9330,
382.1536, 215.3374

■ 0.2741, 0.5932,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.3797, 66.7119,
19.6973

■ 58.3797, 66.7119,
19.6973

■ 57.1176, 65.5251,
15.1548

■ 59.9454, 68.0321,
25.8034

■ 56.1268, 64.4512,
12.0261


■ 61.8341, 69.4861,
33.5964


■ 55.3760, 63.4802,
10.1398


■ 64.0694, 71.0856,
43.1921


■ 54.8086, 62.5894,
9.1981


■ 66.6708, 72.8386,
54.6950


 54.8037, 62.5816,
9.1910

 69.6569, 74.7525,
68.2013

 73.0446, 76.8341,
83.8010

 76.8501, 79.0899,
101.5785

 78.1228, 80.3397,
105.9973

 78.5902, 81.2745,
106.1531

Harmonies

Analogous

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



72.7798, 66.7119, 20.9370



58.3797, 66.7119, 19.6973



47.1437, 66.7119, 28.0807

Triad

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



58.3797, 66.7119, 19.6973



44.9102, 66.7119, 136.8838



92.9001, 66.7119, 101.3851

Complementary

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



58.3797, 66.7119, 19.6973



22.8332, 17.0772, 74.7654

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.



83.0383, 66.7119, 149.3269



58.3797, 66.7119, 19.6973



54.8768, 66.7119, 174.5525

Square

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



58.3797, 66.7119, 19.6973



40.1770, 66.7119, 88.4636



68.7163, 66.7119, 179.8055



94.2121, 66.7119, 58.8221

Rectangle

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



58.3797, 66.7119, 19.6973



42.3989, 66.7119, 40.8297



68.7163, 66.7119, 179.8055



90.4128, 66.7119, 117.7498

Sweetspot

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



58.3813, 66.7150, 19.6987



87.4544, 95.2552, 74.1633



37.8348, 24.7796, 15.4470



18.4901, 20.2386, 14.8494



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.



58.3813, 66.7150, 19.6987



73.9963, 84.9322, 18.5223



46.0074, 64.2766, 19.8802



15.5062, 16.6263, 15.2964



31.9994, 36.5730, 5.3727



2.3919, 2.7571, 0.4061

Inverse Universe

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



22.8332, 17.0772, 74.7654



23.9179, 15.0547, 96.2530



29.7593, 19.2939, 74.8282



13.6675, 14.0564, 18.1371



8.2316, 3.5253, 42.6298



0.6382, 0.3204, 3.1602

Previews

White Background



This preview shows how the XYZ color 58.3797, 66.7119, 19.6973 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 58.3797, 66.7119, 19.6973 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 58.3797, 66.7119, 19.6973

Background



This preview shows how black text looks on a background with the XYZ color 58.3797, 66.7119, 19.6973.



This preview shows how white text looks on a background with the XYZ color 58.3797, 66.7119,

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

58.3797, 66.7119, 19.6973

Protanopia

60.8171, 66.8358, 19.3681

Deuteranopia

67.0338, 66.5076, 30.0731



Tritanopia

70.1077, 66.7038, 76.8902

Trichromacy



Original Color

58.3797, 66.7119, 19.6973

Protanomaly

59.7502, 66.6627, 19.3909

Deuteranomaly

63.5512, 66.2512, 25.6579

Tritanomaly

64.6042, 66.2802, 48.9235

Monochromacy



Original Color

58.3797, 66.7119, 19.6973

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

57.4790, 63.0697, 44.2662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3797, 66.7119, 19.6973 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(227, 217, 91)` looks like.

```
.text, #text, p{  
    color:rgb(227, 217, 91)  
}
```

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(227, 217, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 217, 91) }
```

Border

The CSS property to change the border of an element to XYZ 58.3797, 66.7119, 19.6973 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(227, 217, 91) }
```


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

```
.border{ border-color:rgb(227, 217, 91) }
```

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

Here you see how a box with a 4 pixel rgb(227, 217, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 217, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 217, 91);  
box-shadow:4px 4px 4px 4px rgb(227, 217,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3797, 66.7119, 19.6973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 217, 91) }
```

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

```
.background{ background-color: rgb(227,  
217, 91) }
```

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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