

Converting Colors

XYZ(21.1841, 34.6908, 6.1461)

Have a look what the booklet for
XYZ(21.1841, 34.6908, 6.1461)
contains.

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Color

**XYZ(21.2663, 34.8805,
6.1840)**

Conversions

Conversions Part 1

Format	Color
Hex	62B312
RGB	98, 179, 18
RGB Percent	38%, 70%, 7%
CMY	0.6157, 0.2980, 0.9294
CMYK	0.45, 0.00, 0.90, 0.30
HSL	90°, 82%, 39%
HSV	90°, 90%, 70%
XYZ	21.2663, 34.8805, 6.1840
YIQ	136.4270, 3.4050, -67.2430

Conversions

Conversions Part 2

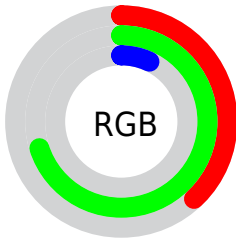
Format	Color
RYB	18, 179, 99
Decimal	6468370
CIELab	65.66, -48.42, 63.91
CIELCh	66, 80.179, 127.149
Yxy	34.8805, 0.3412, 0.5596
Android (android.graphics.Color)	4284658450 (0xFF62B312)
YUV	136.4270, -58.3845, -33.7005
Hunter-Lab	59.0597, -39.0800, 35.1337

Details

The XYZ color **21.2663, 34.8805, 6.1840** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **13.5007, 6.3413, 43.1621**, and the grayscale version is **23.7750, 25.0132, 27.2394**.

A 20% lighter version of the original color is **44.9800, 67.1091, 18.7663**, and **8.0268, 15.0246, 2.4770** is the 20% darker color. If you saturate the color by 10%, you get **20.2406, 34.3654, 5.5696**, and if you desaturate by 10%, it is **22.5021, 35.4947, 7.3272**.

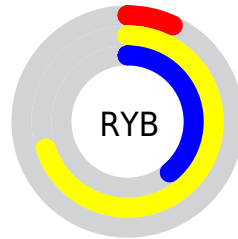
Distribution



Red (38%)

Green (70%)

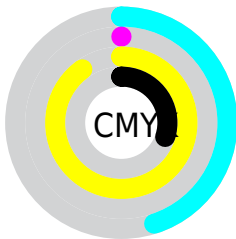
Blue (7%)



Red (7%)

Yellow (70%)

Blue (39%)

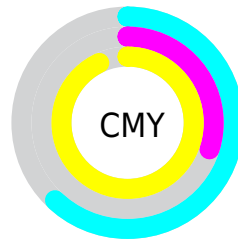


Cyan (45%)

Magenta (0%)

Yellow (90%)

Black (30%)



Cyan (62%)


Magenta (30%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2663, 34.8805, 6.1840 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 21.2663, 34.8805, 6.1840 by changing the saturation by 10% instead.


 21.2663, 34.8805,
6.1840


 21.2663, 34.8805,
6.1840


251.3954,
324.0406, 170.0650


 13.4324, 23.5708,
2.8867

 45.0183, 67.3006,
18.7958


 7.8060, 15.0156,
1.0371


 61.6670, 89.1798,
28.9475

 4.0218, 8.8303,
0.0000


 81.9847, 115.3510,
42.2209

 1.7145, 4.6307,
0.0000

 106.3367,
146.1986, 59.0348

 0.4653, 2.0322,
0.0000

 135.0885,
182.1070, 79.8076

 0.0000, 0.6261,
0.0000

 168.6053,

 0.0000, 0.0000,

223.4605, 104.9579

0.0000

207.2524,
270.6435, 134.9041

■ 21.2663, 34.8805,
6.1840

■ 21.2663, 34.8805,
6.1840

■ 20.2406, 34.3654,
5.5696

■ 22.5021, 35.4947,
7.3272

■ 20.2347, 34.3624,
5.5661

■ 23.9865, 36.2201,
9.1939

■ 25.7415, 37.0672,
11.8798

■ 27.7856, 38.0437,
15.4654

■ 30.1352, 39.1566,
20.0216

■ 32.8053, 40.4121,
25.6121

■ 35.8098, 41.8162,
32.2954

■ 39.1617, 43.3743,
40.1254

■ 42.8732, 45.0917,
49.1525

Harmonies

Analogous

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



30.4122, 34.8805, 3.1243



21.2663, 34.8805, 6.1840



16.3502, 34.8805, 17.9428

Triad

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



21.2663, 34.8805, 6.1840



25.1098, 34.8805, 134.6470



61.0982, 34.8805, 30.4620

Complementary

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



21.2663, 34.8805, 6.1840



13.5007, 6.3413, 43.1621

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.



58.7217, 34.8805, 69.1606



21.2663, 34.8805, 6.1840



36.0534, 34.8805, 145.5983

Square

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



21.2663, 34.8805, 6.1840



18.1743, 34.8805, 92.1869



48.8041, 34.8805, 116.7294



54.6896, 34.8805, 10.7251

Rectangle

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



21.2663, 34.8805, 6.1840



15.2819, 34.8805, 34.8425



48.8041, 34.8805, 116.7294



61.3211, 34.8805, 41.2982

Sweetspot

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



21.2671, 34.8820, 6.1848



60.0295, 72.9728, 48.6528



23.1158, 18.4585, 2.9173



12.9173, 15.9881, 9.9490



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.2671, 34.8820, 6.1848



35.9796, 61.4062, 9.9563



16.4797, 32.4140, 5.9607



8.7777, 9.6905, 9.0603



14.3731, 24.3197, 3.9366



0.5196, 0.7999, 0.1270

Inverse Universe

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



13.5007, 6.3413, 43.1621



21.8760, 9.5941, 77.0800



26.9448, 13.2719, 43.7913



8.4358, 8.4332, 10.6895



8.8089, 3.8769, 30.4210



0.3444, 0.1566, 0.9603

Previews

White Background



This preview shows how the XYZ color 21.2663, 34.8805, 6.1840 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 21.2663, 34.8805, 6.1840 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 21.2663, 34.8805, 6.1840

Background



This preview shows how black text looks on a background with the XYZ color 21.2663, 34.8805, 6.1840.



This preview shows how white text looks on a background with the XYZ color 21.2663, 34.8805,

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

21.2663, 34.8805, 6.1840

Protanopia

31.0324, 34.3975, 5.2335

Deuteranopia

34.8425, 34.1080, 6.7546



Tritanopia

29.6202, 34.5608, 48.2898

Trichromacy



Original Color

21.2663, 34.8805, 6.1840

Protanomaly

26.2803, 33.7830, 5.4835

Deuteranomaly

27.9059, 33.2754, 6.3185

Tritanomaly

24.6962, 33.9510, 23.3407

Monochromacy



Original Color

21.2663, 34.8805, 6.1840

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.2301, 27.3844, 14.5227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2663, 34.8805, 6.1840 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(98, 179, 18)` looks like.

```
.text, #text, p{  
    color:rgb(98, 179, 18)  
}
```

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(98, 179, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 179, 18) }
```

Border

The CSS property to change the border of an element to XYZ 21.2663, 34.8805, 6.1840 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(98, 179, 18) }
```


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

```
.border{ border-color:rgb(98, 179, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 179, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 179, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 179, 18);  
box-shadow:4px 4px 4px 4px rgb(98, 179,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2663, 34.8805, 6.1840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 179, 18) }
```

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

```
.background{ background-color: rgb(98, 179,  
18) }
```

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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