

Converting Colors

XYZ(22.2698, 38.0009, 6.6719)

Have a look what the booklet for
XYZ(22.2698, 38.0009, 6.6719)
contains.

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Color

**XYZ(22.1859, 37.8053,
6.6581)**

Conversions

Conversions Part 1

Format	Color
Hex	5BBB11
RGB	91, 187, 17
RGB Percent	36%, 73%, 7%
CMY	0.6431, 0.2667, 0.9333
CMYK	0.51, 0.00, 0.91, 0.27
HSL	94°, 83%, 40%
HSV	94°, 91%, 73%
XYZ	22.1859, 37.8053, 6.6581
YIQ	138.9160, -2.6460, -73.2220

Conversions

Conversions Part 2

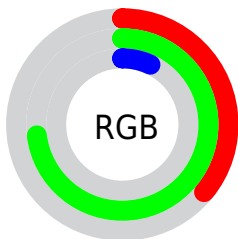
Format	Color
RYB	17, 187, 113
Decimal	6011665
CIELab	67.88, -53.68, 65.82
CIELCh	68, 84.936, 129.199
Yxy	37.8053, 0.3329, 0.5672
Android (android.graphics.Color)	4284201745 (0xFF5BBB11)
YUV	138.9160, -60.1046, -42.0223
Hunter-Lab	61.4860, -43.1927, 36.6199

Details

The XYZ color **22.1859, 37.8053, 6.6581** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **15.9829, 7.5011, 47.6213**, and the grayscale version is **24.7345, 26.0227, 28.3387**.

A 20% lighter version of the original color is **46.5286, 71.8255, 19.7989**, and **8.6187, 16.8942, 2.8067** is the 20% darker color. If you saturate the color by 10%, you get **21.1981, 37.3090, 6.0841**, and if you desaturate by 10%, it is **23.5151, 38.4671, 7.8317**.

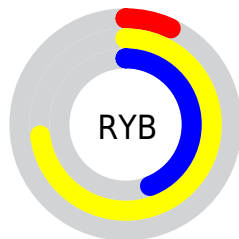
Distribution



Red (36%)

Green (73%)

Blue (7%)



Red (7%)

Yellow (73%)

Blue (44%)

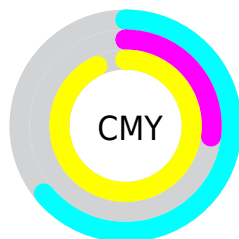


Cyan (51%)

Magenta (0%)

Yellow (91%)

Black (27%)



Cyan (64%)


Magenta (27%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.1859, 37.8053, 6.6581 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 22.1859, 37.8053, 6.6581 by changing the saturation by 10% instead.


 22.1859, 37.8053,
6.6581


 22.1859, 37.8053,
6.6581


256.1297,
336.7840, 174.3135


 14.1109, 25.8316,
3.1740


 46.5296, 71.8096,
19.7830

 8.2801, 16.6977,
1.1842


 63.5291, 94.6090,
30.2610


 4.3280, 10.0192,
0.0000


 84.2341, 121.7858,
43.9073

 1.8893, 5.4117,
0.0000

 109.0100,
153.7244, 61.1406

 0.5706, 2.4908,
0.0000

 138.2222,
190.8091, 82.3792

 0.0000, 0.8720,
0.0000

 172.2359,

 0.0000, 0.0000,

233.4243, 108.0419

0.0000

211.4167,
281.9545, 138.5472

■ 22.1859, 37.8053,
6.6581

■ 22.1859, 37.8053,
6.6581

■ 21.1981, 37.3090,
6.0841

■ 23.5151, 38.4671,
7.8317

■ 25.1444, 39.2653,
9.7949

■ 27.1007, 40.2125,
12.6565

■ 29.4063, 41.3182,
16.5080

■ 32.0814, 42.5911,
21.4292

■ 35.1443, 44.0391,
27.4919

■ 38.6118, 45.6693,
34.7618

■ 42.5000, 47.4888,
43.2995

■ 46.8235, 49.5039,
53.1614

Harmonies

Analogous

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



32.0343, 37.8053, 3.0548



22.1859, 37.8053, 6.6581



17.0772, 37.8053, 20.4056

Triad

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



22.1859, 37.8053, 6.6581



27.6688, 37.8053, 153.0033



67.1777, 37.8053, 30.6232

Complementary

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



22.1859, 37.8053, 6.6581



15.9829, 7.5011, 47.6213

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.



65.1869, 37.8053, 72.6655



22.1859, 37.8053, 6.6581



40.1354, 37.8053, 162.2903

Square

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



22.1859, 37.8053, 6.6581



19.6633, 37.8053, 106.1239



54.4328, 37.8053, 126.8334



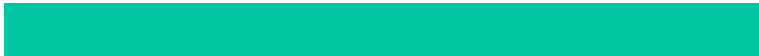
59.3483, 37.8053, 10.2342

Rectangle

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



22.1859, 37.8053, 6.6581



16.0930, 37.8053, 40.1581



54.4328, 37.8053, 126.8334



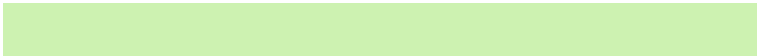
67.6694, 37.8053, 42.1856

Sweetspot

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



22.1868, 37.8069, 6.6589



65.0093, 79.8446, 53.4979



26.2266, 21.8675, 3.3694



13.8656, 17.3709, 10.8528



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.1868, 37.8069, 6.6589



37.7038, 66.6830, 10.8839



18.1836, 35.7340, 6.8879



9.7921, 10.8472, 10.1543



14.6848, 25.7462, 4.1955



0.6503, 1.0472, 0.1679

Inverse Universe

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



15.9829, 7.5011, 47.6213



26.3505, 11.7284, 85.0764



28.7817, 14.2012, 43.6096



9.5181, 9.4840, 12.0011



10.3277, 4.6102, 32.7384



0.4783, 0.2186, 1.2858

Previews

White Background



This preview shows how the XYZ color 22.1859, 37.8053, 6.6581 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 22.1859, 37.8053, 6.6581 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 22.1859, 37.8053, 6.6581

Background



This preview shows how black text looks on a background with the XYZ color 22.1859, 37.8053, 6.6581.



This preview shows how white text looks on a background with the XYZ color 22.1859, 37.8053,

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

22.1859, 37.8053, 6.6581

Protanopia

33.4627, 37.2246, 5.4214

Deuteranopia

38.0208, 37.2024, 7.2747



Tritanopia

31.5493, 37.6849, 53.1880

Trichromacy



Original Color

22.1859, 37.8053, 6.6581

Protanomaly

27.7389, 36.4796, 5.7516

Deuteranomaly

29.5965, 35.7411, 6.7053

Tritanomaly

26.0703, 36.9347, 25.4937

Monochromacy



Original Color

22.1859, 37.8053, 6.6581

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

21.9801, 28.7407, 15.2155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1859, 37.8053, 6.6581 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(91, 187, 17)` looks like.

```
.text, #text, p{  
    color:rgb(91, 187, 17)  
}
```

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(91, 187, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 187, 17) }
```

Border

The CSS property to change the border of an element to XYZ 22.1859, 37.8053, 6.6581 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(91, 187, 17) }
```


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

```
.border{ border-color:rgb(91, 187, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 187, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 187, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 187, 17);  
box-shadow:4px 4px 4px 4px rgb(91, 187,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1859, 37.8053, 6.6581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 187, 17) }
```

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

```
.background{ background-color: rgb(91, 187,  
17) }
```

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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