

Converting Colors

XYZ(19.6728, 33.7752, 5.5398)

Have a look what the booklet for
XYZ(19.6728, 33.7752, 5.5398)
contains.

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Color

**XYZ(19.6777, 33.7765,
5.5398)**

Conversions

Conversions Part 1

Format	Color
Hex	55B202
RGB	85, 178, 2
RGB Percent	33%, 70%, 1%
CMY	0.6667, 0.3019, 0.9921
CMYK	0.52, 0.00, 0.99, 0.30
HSL	92°, 98%, 35%
HSV	92°, 99%, 70%
XYZ	19.6777, 33.7765, 5.5398
YIQ	130.1290, 1.0680, -74.4520

Conversions

Conversions Part 2

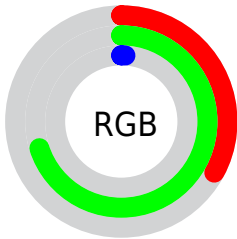
Format	Color
R_{YB}	2, 178, 95
Decimal	5616130
CIE _{Lab}	64.78, -52.42, 65.17
CIE _{LCh}	65, 83.640, 128.810
Yxy	33.7765, 0.3336, 0.5725
Android (android.graphics.Color)	4283806210 (0xFF55B202)
YUV	130.1290, -63.1676, -39.5781
Hunter-Lab	58.1176, -41.2684, 35.0307

Details

The XYZ color **19.6777, 33.7765, 5.5398** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **12.7796, 5.6923, 42.5465**, and the grayscale version is **21.4818, 22.6005, 24.6120**.

A 20% lighter version of the original color is **42.5495, 65.8818, 17.4950**, and **7.2702, 14.4476, 2.4055** is the 20% darker color. If you saturate the color by 10%, you get **19.5714, 33.7240, 5.4779**, and if you desaturate by 10%, it is **20.7037, 34.2933, 6.1814**.

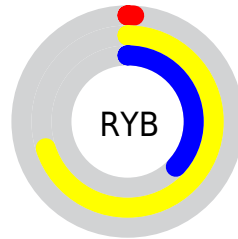
Distribution



Red (33%)

Green (70%)

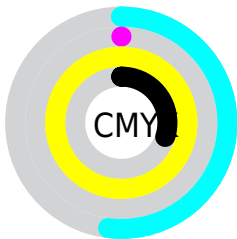
Blue (1%)



Red (1%)

Yellow (70%)

Blue (37%)

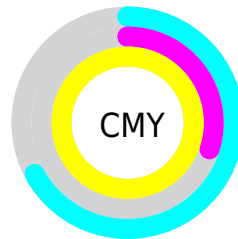


Cyan (52%)

Magenta (0%)

Yellow (99%)

Black (30%)



Cyan (67%)

Magenta (30%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6777, 33.7765, 5.5398 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 19.6777, 33.7765, 5.5398 by changing the saturation by 10% instead.

■ 19.6777, 33.7765,
5.5398

■ 19.6777, 33.7765,
5.5398

243.0319,
319.1343, 164.0515

■ 12.2679, 22.7220,
2.5031

■ 42.3842, 65.5860,
17.4288

■ 6.9999, 14.3883,
0.8418

■ 58.4117, 87.1097,
27.1183

■ 3.5084, 8.3913,
0.0000

■ 78.0423, 112.8919,
39.8623

■ 1.4279, 4.3463,
0.0000

■ 101.6416,
143.3170, 56.0796

■ 0.2760, 1.8691,
0.0000

■ 129.5749,
178.7694, 76.1886

■ 0.0000, 0.5297,
0.0000

■ 162.2074,

■ 0.0000, 0.0000,

219.6335, 100.6079

0.0000

199.9046,
266.2937, 129.7560

■ 19.6777, 33.7765,
5.5398

■ 19.6777, 33.7765,
5.5398

■ 19.5714, 33.7240,
5.4779

■ 20.7037, 34.2933,
6.1814

■ 21.9522, 34.9116,
7.3831

■ 23.4593, 35.6475,
9.3114

■ 25.2462, 36.5097,
12.0578

■ 27.3314, 37.5062,
15.7006

■ 29.7314, 38.6440,
20.3089

■ 32.4615, 39.9295,
25.9450

■ 35.5356, 41.3686,
32.6660

■ 38.9669, 42.9672,
40.5247

Harmonies

Analogous

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



28.6890, 33.7765, 2.4719



19.6777, 33.7765, 5.5398



15.0039, 33.7765, 17.6511

Triad

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



19.6777, 33.7765, 5.5398



24.4467, 33.7765, 139.5939



60.8202, 33.7765, 27.5337

Complementary

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



19.6777, 33.7765, 5.5398



12.7796, 5.6923, 42.5465

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.



58.8648, 33.7765, 66.2985



19.6777, 33.7765, 5.5398



35.7789, 33.7765, 148.7860

Square

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



19.6777, 33.7765, 5.5398



17.2406, 33.7765, 95.8899



48.8949, 33.7765, 116.3285



53.7145, 33.7765, 8.9201

Rectangle

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



19.6777, 33.7765, 5.5398



14.0844, 33.7765, 35.4186



48.8949, 33.7765, 116.3285



61.2314, 33.7765, 38.1695

Sweetspot

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



19.6785, 33.7779, 5.5405



58.0041, 72.0024, 45.2262



22.2813, 17.2886, 2.2206



12.3864, 15.7336, 9.0536



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.



19.6785, 33.7779, 5.5405



35.2290, 61.0192, 9.9211



15.9735, 31.8661, 5.4510



8.7573, 9.6800, 9.0594



14.0745, 24.1657, 3.9227



0.5104, 0.7952, 0.1266

Inverse Universe

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



12.7796, 5.6923, 42.5465



22.6883, 10.0128, 77.1180



26.1276, 12.6071, 41.6501



8.4563, 8.4437, 10.6904



9.1308, 4.0429, 30.4361



0.3540, 0.1616, 0.9608

Previews

White Background



This preview shows how the XYZ color 19.6777, 33.7765, 5.5398 looks on a white background.

Color Contrast Check

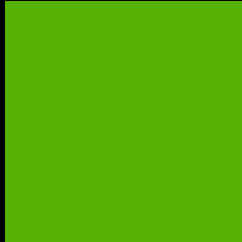
Large Text (above 18pt) WCAG AA × Fail

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 19.6777, 33.7765, 5.5398 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 19.6777, 33.7765, 5.5398

Background



This preview shows how black text looks on a background with the XYZ color 19.6777, 33.7765, 5.5398.



This preview shows how white text looks on a background with the XYZ color 19.6777, 33.7765,

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

19.6777, 33.7765, 5.5398

Protanopia

29.9615, 33.3440, 4.8569

Deuteranopia

33.9498, 33.1837, 6.3660



Tritanopia

28.0222, 33.4799, 47.6332

Trichromacy



Original Color

19.6777, 33.7765, 5.5398

Protanomaly

24.7883, 32.7521, 5.0440

Deuteranomaly

26.2733, 31.9301, 5.6425

Tritanomaly

22.8361, 32.7540, 21.3382

Monochromacy



Original Color

19.6777, 33.7765, 5.5398

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

18.9345, 25.0694, 12.0245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6777, 33.7765, 5.5398 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(85, 178, 2)` looks like.

```
.text, #text, p{  
    color:rgb(85, 178, 2)  
}
```

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(85, 178, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 178, 2) }
```

Border

The CSS property to change the border of an element to XYZ 19.6777, 33.7765, 5.5398 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(85, 178, 2) }
```


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

```
.border{ border-color:rgb(85, 178, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 178, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 178, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 178, 2);  
box-shadow:4px 4px 4px 4px rgb(85, 178, 2)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.6777, 33.7765, 5.5398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 178, 2) }
```

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

```
.background{ background-color: rgb(85, 178,  
2) }
```

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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