

Converting Colors

XYZ(16.5940, 32.1891, 5.3385)

Have a look what the booklet for
XYZ(16.5940, 32.1891, 5.3385)
contains.

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Color

**XYZ(16.5801, 32.1809,
5.3377)**

Conversions

Conversions Part 1

Format	Color
Hex	22B200
RGB	34, 178, 0
RGB Percent	13%, 70%, 0%
CMY	0.8667, 0.3019, 0.9999
CMYK	0.81, 0.00, 1.00, 0.30
HSL	109°, 100%, 35%
HSV	109°, 100%, 70%
XYZ	16.5801, 32.1809, 5.3377
YIQ	114.6520, -28.6860, -85.8860

Conversions

Conversions Part 2

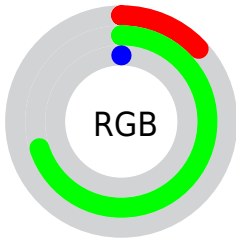
Format	Color
RYB	0, 178, 144
Decimal	2273792
CIELab	63.49, -63.26, 63.86
CIELCh	63, 89.890, 134.732
Yxy	32.1809, 0.3065, 0.5949
Android (android.graphics.Color)	4280463872 (0xFF22B200)
YUV	114.6520, -56.5234, -70.7318
Hunter-Lab	56.7282, -47.1037, 34.1310

Details

The XYZ color **16.5801, 32.1809, 5.3377** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **19.5418, 9.1461, 42.8567**, and the grayscale version is **16.3634, 17.2156, 18.7478**.

A 20% lighter version of the original color is **37.1972, 63.1266, 17.0616**, and **7.2077, 14.4153, 2.4026** is the 20% darker color. If you saturate the color by 10%, you get **16.5803, 32.1820, 5.3379**, and if you desaturate by 10%, it is **17.2667, 32.5234, 5.9321**.

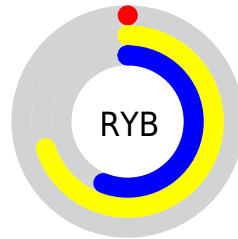
Distribution



Red (13%)

Green (70%)

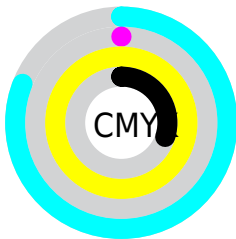
Blue (0%)



Red (0%)

Yellow (70%)

Blue (56%)

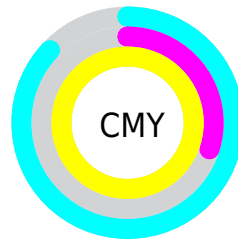


Cyan (81%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (87%)


Magenta (30%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5801, 32.1809, 5.3377 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 16.5801, 32.1809, 5.3377 by changing the saturation by 10% instead.


 16.5801, 32.1809,
5.3377


 16.5801, 32.1809,
5.3377


225.9446,
311.9425, 162.1008


 10.0290, 21.4997,
2.3846


 37.1518, 63.0946,
16.9932


 5.4806, 13.4898,
0.7780


 51.9031, 84.0959,
26.5326


 2.5695, 7.7667,
0.0000


 70.1185, 109.3059,
39.1046

 0.9305, 3.9460,
0.0000

 92.1633, 139.1092,
55.1276

 0.0000, 1.6434,
0.0000

 118.4030,
173.8902, 75.0201

 0.0000, 0.3866,
0.0000

 149.2029,

 0.0000, 0.0000,

214.0331, 99.2009

0.0000

184.9283,
259.9224, 128.0882

■ 16.5801, 32.1809,
5.3377

■ 16.5801, 32.1809,
5.3377

■ 16.5803, 32.1820,
5.3379

■ 17.2667, 32.5234,
5.9321

■ 18.2711, 33.0175,
7.0487

■ 19.6505, 33.6894,
8.8860

■ 21.4399, 34.5550,
11.5381

■ 23.6700, 35.6285,
15.0850

■ 26.3683, 36.9224,
19.5974

■ 29.5601, 38.4485,
25.1386

■ 33.2688, 40.2176,
31.7665

■ 37.5164, 42.2397,
39.5351

Harmonies

Analogous

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



24.8644, 32.1809, 1.7136



16.5801, 32.1809, 5.3377



12.7452, 32.1809, 19.8396

Triad

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



16.5801, 32.1809, 5.3377



24.6757, 32.1809, 152.5080



60.2754, 32.1809, 20.2685

Complementary

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



16.5801, 32.1809, 5.3377



19.5418, 9.1461, 42.8567

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.



60.1840, 32.1809, 56.5104



16.5801, 32.1809, 5.3377



37.1264, 32.1809, 152.9528

Square

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



16.5801, 32.1809, 5.3377



16.4746, 32.1809, 109.4059



50.8504, 32.1809, 110.3818



51.0739, 32.1809, 5.4687

Rectangle

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



16.5801, 32.1809, 5.3377



12.3217, 32.1809, 41.0408



50.8504, 32.1809, 110.3818



61.3973, 32.1809, 29.6538

Sweetspot

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



16.5808, 32.1822, 5.3384



53.2736, 69.5637, 45.0048



28.0945, 28.9326, 4.1043



11.2479, 15.1467, 9.0003



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.



16.5808, 32.1822, 5.3384



29.9225, 58.2836, 9.6728



16.5735, 32.1031, 8.7413



8.5354, 9.5656, 9.0490



11.9039, 23.0468, 3.8211



0.4194, 0.7482, 0.1223

Inverse Universe

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



19.5418, 9.1461, 42.8567



35.2492, 16.4882, 77.7059



22.0377, 10.9364, 20.2204



8.6879, 8.5631, 10.7013



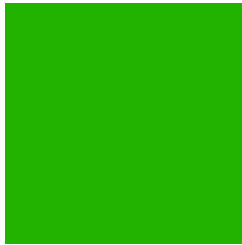
14.0314, 6.5693, 30.6654



0.4824, 0.2278, 0.9668

Previews

White Background



This preview shows how the XYZ color 16.5801, 32.1809, 5.3377 looks on a white background.

Color Contrast Check

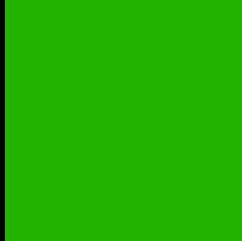
Large Text (above 18pt) WCAG AA × Fail

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 16.5801, 32.1809, 5.3377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

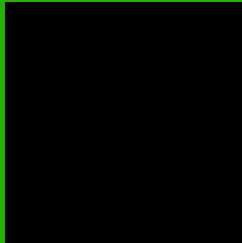
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.5801, 32.1809, 5.3377

Background



This preview shows how black text looks on a background with the XYZ color 16.5801, 32.1809, 5.3377.



This preview shows how white text looks on a background with the XYZ color 16.5801, 32.1809,

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

16.5801, 32.1809, 5.3377

Protanopia

28.4045, 31.5531, 4.5933

Deuteranopia

32.2135, 31.5972, 6.2348



Tritanopia

24.9001, 31.8704, 47.4871

Trichromacy



Original Color

16.5801, 32.1809, 5.3377



Protanomaly

20.9464, 29.9782, 4.6824



Deuteranomaly

22.2135, 29.3308, 5.3548



Tritanomaly

19.4619, 31.0211, 20.8815

Monochromacy



Original Color

16.5801, 32.1809, 5.3377



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.1288, 20.6364, 9.5419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5801, 32.1809, 5.3377 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(34, 178, 0)` looks like.

```
.text, #text, p{  
    color:rgb(34, 178, 0)  
}
```

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(34, 178, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 178, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.5801, 32.1809, 5.3377 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(34, 178, 0) }
```


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

```
.border{ border-color:rgb(34, 178, 0) }
```

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

Here you see how a box with a 4 pixel rgb(34, 178, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 178, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 178, 0);  
box-shadow:4px 4px 4px 4px rgb(34, 178, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.5801, 32.1809, 5.3377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 178, 0) }
```

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

```
.background{ background-color: rgb(34, 178,  
0) }
```

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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