

Converting Colors

XYZ(16.9431, 33.3246, 6.9380)

Have a look what the booklet for
XYZ(16.9431, 33.3246, 6.9380)
contains.

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Color

**XYZ(16.8722, 33.1972,
6.8849)**

Conversions

Conversions Part 1

Format	Color
Hex	07B520
RGB	7, 181, 32
RGB Percent	3%, 71%, 13%
CMY	0.9725, 0.2902, 0.8745
CMYK	0.96, 0.00, 0.82, 0.29
HSL	129°, 93%, 37%
HSV	129°, 96%, 71%
XYZ	16.8722, 33.1972, 6.8849
YIQ	111.9880, -55.8750, -83.2270

Conversions

Conversions Part 2

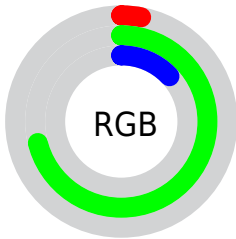
Format	Color
RYB	7, 159, 181
Decimal	505120
CIELab	64.32, -65.20, 58.80
CIElCh	64, 87.803, 137.954
Yxy	33.1972, 0.2962, 0.5829
Android (android.graphics.Color)	4278695200 (0xFF07B520)
YUV	111.9880, -39.4341, -92.0745
Hunter-Lab	57.6170, -48.5590, 33.2471

Details

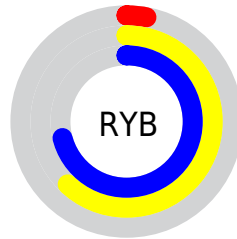
The XYZ color **16.8722, 33.1972, 6.8849** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **25.1334, 12.3764, 32.5157**, and the grayscale version is **15.5223, 16.3307, 17.7841**.

A 20% lighter version of the original color is **37.5656, 64.5399, 20.1504**, and **7.4609, 14.9217, 2.4870** is the 20% darker color. If you saturate the color by 10%, you get **16.7111, 33.1237, 6.4907**, and if you desaturate by 10%, it is **17.4513, 33.4664, 8.2830**.

Distribution



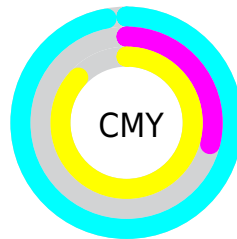
- Red (3%)
- Green (71%)
- Blue (13%)



- Red (3%)
- Yellow (62%)
- Blue (71%)



- Cyan (96%)
- Magenta (0%)
- Yellow (82%)
- Black (29%)




- Cyan (97%)
- Magenta (29%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8722, 33.1972, 6.8849 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 16.8722, 33.1972, 6.8849 by changing the saturation by 10% instead.


 16.8722, 33.1972,
6.8849


 16.8722, 33.1972,
6.8849


227.6055,
316.5374, 176.2983


 10.2382, 22.2776,
3.3129

 37.6513, 64.6833,
20.2502


 5.6206, 14.0610,
1.2565


 52.5270, 86.0185,
30.8805

 2.6542, 8.1631,
0.0258


 70.8806, 111.5944,
44.7007

 0.9737, 4.1995,
0.0000

 93.0776, 141.7953,
62.1293

 0.0000, 1.7858,
0.0000

 119.4832,
177.0057, 83.5848

 0.0000, 0.4783,
0.0000

 150.4628,

 0.0000, 0.0000,

217.6099, 109.4858

0.0000

186.3818,
263.9923, 140.2508

■ 16.8722, 33.1972,
6.8849

■ 16.8722, 33.1972,
6.8849

■ 16.7111, 33.1237,
6.4907

■ 17.4513, 33.4664,
8.2830

■ 18.4266, 33.9260,
10.2806

■ 19.8610, 34.6081,
12.9361

■ 21.8031, 35.5369,
16.3006

■ 24.2955, 36.7332,
20.4199

■ 27.3761, 38.2156,
25.3361

■ 31.0795, 40.0013,
31.0880

■ 35.4375, 42.1059,
37.7120

■ 40.4797, 44.5438,
45.2423

Harmonies

Analogous

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



24.7164, 33.1972, 2.2590



16.8722, 33.1972, 6.8849



13.4166, 33.1972, 23.6120

Triad

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



16.8722, 33.1972, 6.8849



26.8032, 33.1972, 153.6966



60.3438, 33.1972, 18.8251

Complementary

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



16.8722, 33.1972, 6.8849



25.1334, 12.3764, 32.5157

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.



61.3357, 33.1972, 52.4777



16.8722, 33.1972, 6.8849



39.5465, 33.1972, 148.9335

Square

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



16.8722, 33.1972, 6.8849



18.0512, 33.1972, 115.0148



52.9487, 33.1972, 104.5129



50.5166, 33.1972, 5.3559

Rectangle

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



16.8722, 33.1972, 6.8849



13.2490, 33.1972, 46.5187



52.9487, 33.1972, 104.5129



61.8006, 33.1972, 27.4428

Sweetspot

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



16.8730, 33.1986, 6.8857



53.3092, 70.5044, 52.0515



30.6247, 40.3136, 6.3682



10.9248, 14.9506, 10.3215



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.



16.8730, 33.1986, 6.8857



29.8786, 59.3017, 11.3635



19.8350, 34.3834, 22.4834



8.4371, 9.5093, 9.2954



11.5359, 22.8403, 4.5590



0.3785, 0.7249, 0.2252

Inverse Universe

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



25.1334, 12.3764, 32.5157



44.6582, 21.8058, 57.0432



20.2638, 10.4285, 6.8728



8.7965, 8.6253, 10.4267



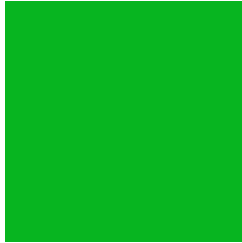
17.2345, 8.4113, 22.1924



0.5566, 0.2704, 0.7736

Previews

White Background



This preview shows how the XYZ color 16.8722, 33.1972, 6.8849 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 16.8722, 33.1972, 6.8849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

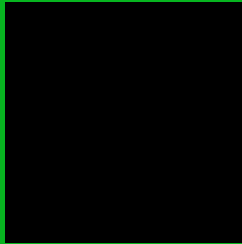
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 16.8722, 33.1972, 6.8849

Background



This preview shows how black text looks on a background with the XYZ color 16.8722, 33.1972, 6.8849.



This preview shows how white text looks on a background with the XYZ color 16.8722, 33.1972,

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

16.8722, 33.1972, 6.8849

Protanopia

29.3524, 32.5115, 5.6480

Deuteranopia

33.2576, 32.5671, 7.5508



Tritanopia

25.3478, 32.8785, 49.2662

Trichromacy



Original Color

16.8722, 33.1972, 6.8849



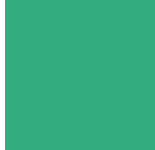
Protanomaly

20.2951, 30.1455, 5.8476



Deuteranomaly

21.4384, 29.4063, 6.8316



Tritanomaly

20.0897, 32.0976, 25.2153

Monochromacy



Original Color

16.8722, 33.1972, 6.8849



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.3310, 19.9717, 11.3359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8722, 33.1972, 6.8849 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(7, 181, 32)` looks like.

```
.text, #text, p{  
    color:rgb(7, 181, 32)  
}
```

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(7, 181, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 181, 32) }
```

Border

The CSS property to change the border of an element to XYZ 16.8722, 33.1972, 6.8849 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(7, 181, 32) }
```


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

```
.border{ border-color:rgb(7, 181, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 181, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 181, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 181, 32);  
box-shadow:4px 4px 4px 4px rgb(7, 181, 32)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.8722, 33.1972, 6.8849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 181, 32) }
```

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

```
.background{ background-color: rgb(7, 181,  
32) }
```

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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