

Converting Colors

XYZ(16.5689, 32.1573, 6.3103)

Have a look what the booklet for
XYZ(16.5689, 32.1573, 6.3103)
contains.

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Color

**XYZ(16.5588, 32.1484,
6.3098)**

Conversions

Conversions Part 1

Format	Color
Hex	1BB21A
RGB	27, 178, 26
RGB Percent	11%, 70%, 10%
CMY	0.8941, 0.3019, 0.8980
CMYK	0.85, 0.00, 0.85, 0.30
HSL	120°, 75%, 40%
HSV	120°, 85%, 70%
XYZ	16.5588, 32.1484, 6.3098
YIQ	115.5230, -41.2040, -79.2840

Conversions

Conversions Part 2

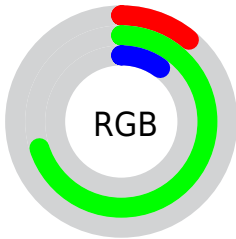
Format	Color
RYB	26, 178, 177
Decimal	1815066
CIELab	63.47, -63.27, 59.61
CIElCh	63, 86.929, 136.704
Yxy	32.1484, 0.3010, 0.5843
Android (android.graphics.Color)	4280005146 (0xFF1BB21A)
YUV	115.5230, -44.1348, -77.6347
Hunter-Lab	56.6996, -47.0943, 33.0916

Details

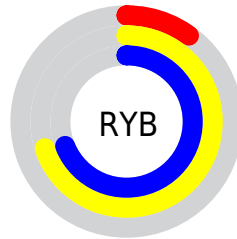
The XYZ color **16.5588, 32.1484, 6.3098** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **26.5405, 13.3024, 43.2900**, and the grayscale version is **16.5948, 17.4590, 19.0129**.

A 20% lighter version of the original color is **37.0970, 63.0316, 19.0152**, and **7.2077, 14.4153, 2.4026** is the 20% darker color. If you saturate the color by 10%, you get **16.0826, 31.9202, 5.5493**, and if you desaturate by 10%, it is **17.4404, 32.5733, 7.7321**.

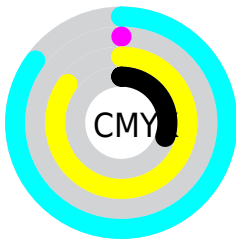
Distribution



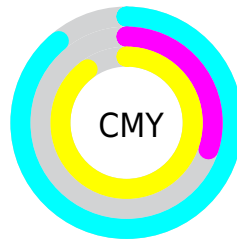
- Red (11%)
- Green (70%)
- Blue (10%)



- Red (10%)
- Yellow (70%)
- Blue (69%)



- Cyan (85%)
- Magenta (0%)
- Yellow (85%)
- Black (30%)




- Cyan (89%)
- Magenta (30%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5588, 32.1484, 6.3098 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 16.5588, 32.1484, 6.3098 by changing the saturation by 10% instead.


 16.5588, 32.1484,
6.3098


 16.5588, 32.1484,
6.3098


225.8230,
311.7947, 171.2060


 10.0138, 21.4749,
2.9625


 37.1153, 63.0437,
19.0593


 5.4704, 13.4716,
1.0755


 51.8575, 84.0342,
29.2985


 2.5634, 7.7541,
0.0000


 70.0627, 109.2325,
42.6722

 0.9273, 3.9380,
0.0000

 92.0965, 139.0230,
59.5989

 0.0000, 1.6389,
0.0000

 118.3240,
173.7901, 80.4971

 0.0000, 0.3836,
0.0000

 149.1107,

 0.0000, 0.0000,

213.9181, 105.7853

0.0000

184.8219,
259.7915, 135.8821

■ 16.5588, 32.1484,
6.3098

■ 16.5588, 32.1484,
6.3098

■ 16.0826, 31.9202,
5.5493

■ 17.4404, 32.5733,
7.7321

■ 15.9356, 31.8496,
5.3077

■ 18.7896, 33.2217,
9.9235

■ 20.6599, 34.1203,
12.9725

■ 23.0971, 35.2911,
16.9552

■ 26.1418, 36.7536,
21.9391

■ 29.8310, 38.5254,
27.9856

■ 34.1988, 40.6230,
35.1513

■ 39.2768, 43.0616,
43.4886

■ 45.0947, 45.8552,
53.0466

Harmonies

Analogous

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



24.3453, 32.1484, 2.1133



16.5588, 32.1484, 6.3098



13.0468, 32.1484, 21.8077

Triad

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



16.5588, 32.1484, 6.3098



25.5117, 32.1484, 148.1249



58.6945, 32.1484, 19.1339

Complementary

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



16.5588, 32.1484, 6.3098



26.5405, 13.3024, 43.2900

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.



59.2495, 32.1484, 52.6727



16.5588, 32.1484, 6.3098



37.7424, 32.1484, 145.4586

Square

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



16.5588, 32.1484, 6.3098



17.2175, 32.1484, 109.3373



50.8086, 32.1484, 103.4602



49.4481, 32.1484, 5.4575

Rectangle

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



16.5588, 32.1484, 6.3098



12.7851, 32.1484, 43.3721



50.8086, 32.1484, 103.4602



59.9749, 32.1484, 27.7883

Sweetspot

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



16.5596, 32.1497, 6.3105



53.3273, 69.4921, 49.4901



33.9691, 40.3833, 6.9822



11.2874, 15.1428, 10.1001



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.



16.5596, 32.1497, 6.3105



28.8896, 57.7511, 9.6244



18.6221, 32.9718, 17.3059



8.3939, 9.4926, 9.0424



11.4037, 22.7889, 3.7977



0.3605, 0.7179, 0.1196

Inverse Universe

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



26.5405, 13.3024, 43.2900



47.3793, 22.7415, 78.2736



21.2566, 11.2150, 14.2851



8.8445, 8.6439, 10.7086



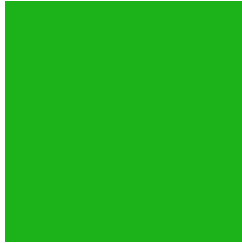
18.6995, 8.9757, 30.8839



0.5901, 0.2833, 0.9718

Previews

White Background



This preview shows how the XYZ color 16.5588, 32.1484, 6.3098 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 16.5588, 32.1484, 6.3098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

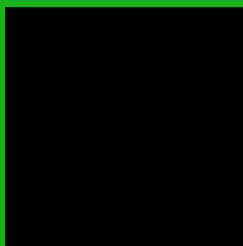
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 16.5588, 32.1484, 6.3098

Background



This preview shows how black text looks on a background with the XYZ color 16.5588, 32.1484, 6.3098.



This preview shows how white text looks on a background with the XYZ color 16.5588, 32.1484,

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

16.5588, 32.1484, 6.3098

Protanopia

28.5137, 31.5968, 5.1682

Deuteranopia

32.0849, 31.5166, 6.8749



Tritanopia

24.9148, 32.1468, 47.5396

Trichromacy



Original Color

16.5588, 32.1484, 6.3098



Protanomaly

20.6634, 29.8167, 5.3756



Deuteranomaly

21.7669, 29.0792, 6.2993



Tritanomaly

19.7535, 31.1093, 23.7025

Monochromacy



Original Color

16.5588, 32.1484, 6.3098



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.4501, 20.9746, 11.4705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5588, 32.1484, 6.3098 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(27, 178, 26)` looks like.

```
.text, #text, p{  
    color:rgb(27, 178, 26)  
}
```

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(27, 178, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 178, 26) }
```

Border

The CSS property to change the border of an element to XYZ 16.5588, 32.1484, 6.3098 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(27, 178, 26) }
```


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

```
.border{ border-color:rgb(27, 178, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 178, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 178, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 178, 26);  
box-shadow:4px 4px 4px 4px rgb(27, 178,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5588, 32.1484, 6.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 178, 26) }
```

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

```
.background{ background-color: rgb(27, 178,  
26) }
```

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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