

Converting Colors

XYZ(16.5008, 31.2107, 6.7435)

Have a look what the booklet for
XYZ(16.5008, 31.2107, 6.7435)
contains.

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Color

**XYZ(16.5084, 31.2324,
6.7485)**

Conversions

Conversions Part 1

Format	Color
Hex	28AF23
RGB	40, 175, 35
RGB Percent	16%, 69%, 14%
CMY	0.8431, 0.3137, 0.8627
CMYK	0.77, 0.00, 0.80, 0.31
HSL	118°, 67%, 41%
HSV	118°, 80%, 69%
XYZ	16.5084, 31.2324, 6.7485
YIQ	118.6750, -35.5200, -72.1600

Conversions

Conversions Part 2

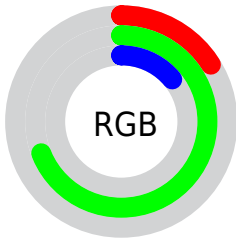
Format	Color
RYB	35, 175, 170
Decimal	2666275
CIELab	62.70, -60.27, 56.55
CIELCh	63, 82.642, 136.825
Yxy	31.2324, 0.3030, 0.5732
Android (android.graphics.Color)	4280856355 (0xFF28AF23)
YUV	118.6750, -41.2518, -68.9980
Hunter-Lab	55.8860, -45.0725, 31.9606

Details

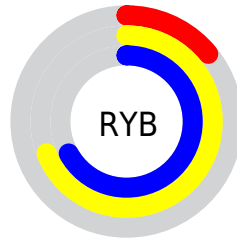
The XYZ color **16.5084, 31.2324, 6.7485** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **24.9191, 12.8449, 41.7250**, and the grayscale version is **17.5668, 18.4816, 20.1265**.

A 20% lighter version of the original color is **37.0951, 61.7371, 20.0866**, and **6.8374, 13.6747, 2.2791** is the 20% darker color. If you saturate the color by 10%, you get **15.7920, 30.8869, 5.6808**, and if you desaturate by 10%, it is **17.6422, 31.7799, 8.5133**.

Distribution



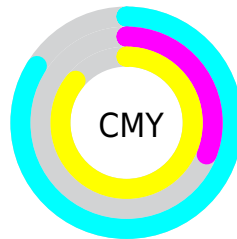
- Red (16%)
- Green (69%)
- Blue (14%)



- Red (14%)
- Yellow (69%)
- Blue (67%)



- Cyan (77%)
- Magenta (0%)
- Yellow (80%)
- Black (31%)





- Cyan (84%)
- Magenta (31%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5084, 31.2324, 6.7485 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 16.5084, 31.2324, 6.7485 by changing the saturation by 10% instead.


 16.5084, 31.2324,
6.7485


 16.5084, 31.2324,
6.7485


225.5352,
307.6076, 175.1081


 9.9777, 20.7759,
3.2293


 37.0289, 61.6058,
19.9696


 5.4464, 12.9603,
1.2129


 51.7496, 82.2914,
30.5086


 2.5489, 7.4012,
0.0000


 69.9308, 107.1556,
44.2246

 0.9200, 3.7142,
0.0000

 91.9382, 136.5826,
61.5360

 0.0000, 1.5150,
0.0000

 118.1369,
170.9569, 82.8616

 0.0000, 0.2993,
0.0000

 148.8925,

 0.0000, 0.0000,

210.6629, 108.6198

0.0000

184.5701,
256.0850, 139.2291

■ 16.5084, 31.2324,
6.7485

■ 16.5084, 31.2324,
6.7485

■ 15.7920, 30.8869,
5.6808

■ 17.6422, 31.7799,
8.5133

■ 15.4088, 30.7015,
5.1140

■ 19.2413, 32.5495,
11.0641

■ 15.4087, 30.7015,
5.1139

■ 21.3495, 33.5629,
14.4790

■ 24.0050, 34.8384,
18.8260

■ 27.2423, 36.3925,
24.1665

■ 31.0930, 38.2401,
30.5565

■ 35.5866, 40.3955,
38.0480

■ 40.7505, 42.8717,
46.6894

■ 46.6107, 45.6811,
56.5263

Harmonies

Analogous

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



23.8384, 31.2324, 2.4667



16.5084, 31.2324, 6.7485



13.1759, 31.2324, 21.7196

Triad

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



16.5084, 31.2324, 6.7485



25.0100, 31.2324, 137.4698



55.6706, 31.2324, 19.0067

Complementary

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



16.5084, 31.2324, 6.7485



24.9191, 12.8449, 41.7250

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.



56.2161, 31.2324, 50.2258



16.5084, 31.2324, 6.7485



36.4181, 31.2324, 134.8875

Square

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



16.5084, 31.2324, 6.7485



17.1779, 31.2324, 102.4218



48.4840, 31.2324, 96.6970



47.1418, 31.2324, 5.8407

Rectangle

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



16.5084, 31.2324, 6.7485



12.9345, 31.2324, 41.9373



48.4840, 31.2324, 96.6970



56.8574, 31.2324, 27.1449

Sweetspot

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



16.5091, 31.2337, 6.7492



52.4985, 66.9555, 49.4296



31.9867, 37.2422, 7.0932



11.1425, 14.6293, 10.1143



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



16.5091, 31.2337, 6.7492



27.7336, 55.0485, 9.4244



18.2288, 31.9006, 16.7532



7.9299, 8.9525, 8.5234



11.0455, 21.9912, 3.6626



0.3157, 0.6161, 0.1023

Inverse Universe

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



24.9191, 12.8449, 41.7250



43.2241, 20.8282, 74.3790



21.2060, 11.4867, 16.4301



8.3084, 8.1333, 10.0847



17.2332, 8.2439, 29.7275



0.4879, 0.2337, 0.8274

Previews

White Background



This preview shows how the XYZ color 16.5084, 31.2324, 6.7485 looks on a white background.

Color Contrast Check

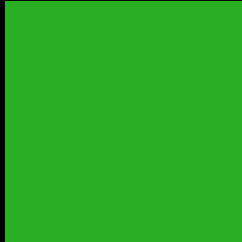
Large Text (above 18pt) WCAG AA × Fail

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 16.5084, 31.2324, 6.7485 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 16.5084, 31.2324, 6.7485

Background



This preview shows how black text looks on a background with the XYZ color 16.5084, 31.2324, 6.7485.



This preview shows how white text looks on a background with the XYZ color 16.5084, 31.2324,

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

16.5084, 31.2324, 6.7485

Protanopia

27.6506, 30.6569, 5.6224

Deuteranopia

31.1372, 30.5666, 7.2764



Tritanopia

24.3270, 31.0783, 45.7908

Trichromacy



Original Color

16.5084, 31.2324, 6.7485



Protanomaly

20.8442, 29.3781, 5.8683



Deuteranomaly

22.0265, 28.7005, 6.8615



Tritanomaly

19.7672, 30.2764, 24.2041

Monochromacy



Original Color

16.5084, 31.2324, 6.7485



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.2105, 21.3435, 12.5505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5084, 31.2324, 6.7485 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(40, 175, 35)` looks like.

```
.text, #text, p{  
    color:rgb(40, 175, 35)  
}
```

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(40, 175, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 175, 35) }
```

Border

The CSS property to change the border of an element to XYZ 16.5084, 31.2324, 6.7485 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(40, 175, 35) }
```


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

```
.border{ border-color:rgb(40, 175, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 175, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 175, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 175, 35);  
box-shadow:4px 4px 4px 4px rgb(40, 175,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5084, 31.2324, 6.7485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 175, 35) }
```

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

```
.background{ background-color: rgb(40, 175,  
35) }
```

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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