

Converting Colors

XYZ(18.4165, 36.1731, 6.7705)

Have a look what the booklet for
XYZ(18.4165, 36.1731, 6.7705)
contains.

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Color

**XYZ(18.4165, 36.1731,
6.7705)**

Conversions

Conversions Part 1

Format	Color
Hex	14BC16
RGB	20, 188, 22
RGB Percent	8%, 74%, 9%
CMY	0.9216, 0.2627, 0.9137
CMYK	0.89, 0.00, 0.88, 0.26
HSL	121°, 81%, 41%
HSV	121°, 89%, 74%
XYZ	18.4165, 36.1731, 6.7705
YIQ	118.8440, -46.8420, -87.2420

Conversions

Conversions Part 2

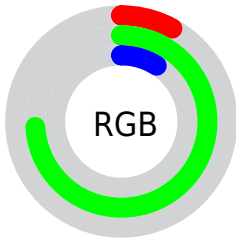
Format	Color
R_{YB}	20, 186, 188
Decimal	1358870
CIE _{Lab}	66.65, -66.93, 63.27
CIE _{LCh}	67, 92.100, 136.610
Yxy	36.1731, 0.3001, 0.5895
Android (android.graphics.Color)	4279548950 (0xFF14BC16)
YUV	118.8440, -47.7441, -86.6862
Hunter-Lab	60.1441, -50.5943, 35.4265

Details

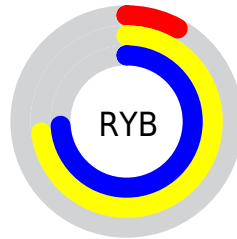
The XYZ color **18.4165, 36.1731, 6.7705** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **29.8520, 14.7368, 47.7203**, and the grayscale version is **17.6430, 18.5618, 20.2138**.

A 20% lighter version of the original color is **40.4612, 69.5867, 20.1031**, and **8.3875, 16.7751, 2.7958** is the 20% darker color. If you saturate the color by 10%, you get **18.0178, 35.9832, 6.0945**, and if you desaturate by 10%, it is **19.2061, 36.5526, 8.1032**.

Distribution



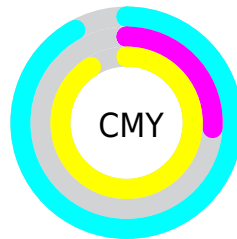
- Red (8%)
- Green (74%)
- Blue (9%)



- Red (8%)
- Yellow (73%)
- Blue (74%)



- Cyan (89%)
- Magenta (0%)
- Yellow (88%)
- Black (26%)





- Cyan (92%)
- Magenta (26%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4165, 36.1731, 6.7705 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 18.4165, 36.1731, 6.7705 by changing the saturation by 10% instead.


 18.4165, 36.1731,
6.7705


 18.4165, 36.1731,
6.7705


236.2087,
329.7165, 175.3008


 11.3509, 24.5679,
3.2427


 40.2703, 69.2992,
20.0150


 6.3724, 15.7554,
1.2199


 55.7892, 91.5888,
30.5687

 3.1156, 9.3513,
0.0000


 74.8567, 118.2088,
44.3016

 1.2152, 4.9710,
0.0000

 97.8380, 149.5434,
61.6320

 0.1183, 2.2303,
0.0000

 125.0985,
185.9771, 82.9786

 0.0000, 0.7364,
0.0000

 157.0035,

 0.0000, 0.0000,

227.8942, 108.7599

0.0000

193.9185,
275.6792, 139.3945

■ 18.4165, 36.1731,
6.7705

■ 18.4165, 36.1731,
6.7705

■ 18.0178, 35.9832,
6.0945

■ 19.2061, 36.5526,
8.1032

■ 17.9963, 35.9729,
6.0596

■ 20.4993, 37.1729,
10.2543

■ 22.3620, 38.0671,
13.3273

■ 24.8497, 39.2618,
17.4102

■ 28.0114, 40.7805,
22.5805

■ 31.8909, 42.6445,
28.9083

■ 36.5287, 44.8731,
36.4576

■ 41.9621, 47.4842,
45.2881

■ 48.2258, 50.4948,
55.4553

Harmonies

Analogous

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



27.3084, 36.1731, 2.1727



18.4165, 36.1731, 6.7705



14.4183, 36.1731, 24.2168

Triad

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



18.4165, 36.1731, 6.7705



28.5689, 36.1731, 170.1743



66.7864, 36.1731, 21.3410

Complementary

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



18.4165, 36.1731, 6.7705



29.8520, 14.7368, 47.7203

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.



67.3921, 36.1731, 59.8492



18.4165, 36.1731, 6.7705



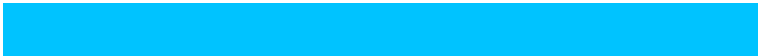
42.5811, 36.1731, 167.2443

Square

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



18.4165, 36.1731, 6.7705



19.1244, 36.1731, 125.0262



57.6271, 36.1731, 118.5845



56.1446, 36.1731, 5.8748

Rectangle

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



18.4165, 36.1731, 6.7705



14.1137, 36.1731, 48.8477



57.6271, 36.1731, 118.5845



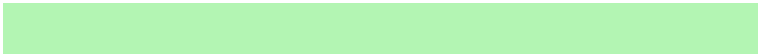
68.2533, 36.1731, 31.2331

Sweetspot

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



18.4173, 36.1746, 6.7713



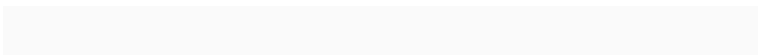
59.3009, 78.0071, 54.8426



38.8501, 46.7102, 7.6301



12.1851, 16.5025, 10.8694



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



18.4173, 36.1746, 6.7713



32.6080, 65.1903, 10.9486



20.7711, 37.1161, 19.1663



9.4133, 10.6514, 10.1600



12.2543, 24.4920, 4.1360



0.4816, 0.9600, 0.1704

Inverse Universe

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



29.8520, 14.7368, 47.7203



53.5935, 25.7793, 86.0510



23.4888, 12.1915, 14.2121



9.9249, 9.6943, 11.9936



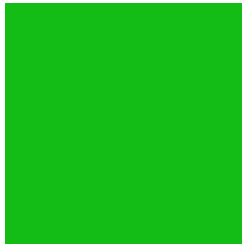
20.1384, 9.6865, 32.3522



0.7904, 0.3801, 1.2757

Previews

White Background



This preview shows how the XYZ color 18.4165, 36.1731, 6.7705 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 18.4165, 36.1731, 6.7705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

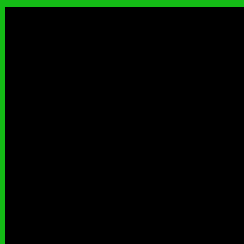
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.4165, 36.1731, 6.7705

Background



This preview shows how black text looks on a background with the XYZ color 18.4165, 36.1731, 6.7705.



This preview shows how white text looks on a background with the XYZ color 18.4165, 36.1731,

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

18.4165, 36.1731, 6.7705

Protanopia

31.8613, 35.3377, 5.4582

Deuteranopia

36.2220, 35.5285, 7.4312



Tritanopia

27.8235, 36.0395, 53.6340

Trichromacy



Original Color

18.4165, 36.1731, 6.7705



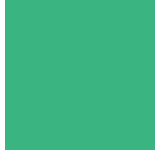
Protanomaly

22.6752, 33.2979, 5.6840



Deuteranomaly

24.1235, 32.6402, 6.7790



Tritanomaly

21.9625, 35.1006, 26.0396

Monochromacy



Original Color

18.4165, 36.1731, 6.7705



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.1408, 22.4256, 11.9181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4165, 36.1731, 6.7705 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(20, 188, 22)` looks like.

```
.text, #text, p{  
    color:rgb(20, 188, 22)  
}
```

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(20, 188, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 188, 22) }
```

Border

The CSS property to change the border of an element to XYZ 18.4165, 36.1731, 6.7705 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(20, 188, 22) }
```


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

```
.border{ border-color:rgb(20, 188, 22) }
```

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

Here you see how a box with a 4 pixel rgb(20, 188, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 188, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 188, 22);  
box-shadow:4px 4px 4px 4px rgb(20, 188,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4165, 36.1731, 6.7705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 188, 22) }
```

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

```
.background{ background-color: rgb(20, 188,  
22) }
```

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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