

Converting Colors

XYZ(18.0085, 10.4405, 2.5298)

Have a look what the booklet for
XYZ(18.0085, 10.4405, 2.5298)
contains.

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Color

**XYZ(18.0807, 10.4663,
2.5061)**

Conversions

Conversions Part 1

Format	Color
Hex	AC2921
RGB	172, 41, 33
RGB Percent	67%, 16%, 13%
CMY	0.3255, 0.8392, 0.8706
CMYK	0.00, 0.76, 0.81, 0.33
HSL	3°, 68%, 40%
HSV	3°, 81%, 67%
XYZ	18.0807, 10.4663, 2.5061
YIQ	79.2570, 80.6440, 25.2840

Conversions

Conversions Part 2

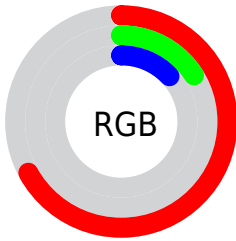
Format	Color
R_{YB}	172, 41, 33
Decimal	11282721
CIE Lab	38.67, 51.93, 37.36
CIE LCh	39, 63.972, 35.735
Yxy	10.4663, 0.5823, 0.3370
Android (android.graphics.Color)	4289472801 (0xFFAC2921)
YUV	79.2570, -22.8047, 81.3356
Hunter-Lab	32.3517, 43.1447, 18.0533

Details

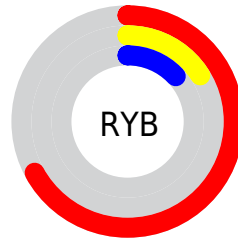
The XYZ color **18.0807, 10.4663, 2.5061** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **21.3474, 29.8496, 43.6659**, and the grayscale version is **7.5136, 7.9048, 8.6084**.

A 20% lighter version of the original color is **39.6177, 26.6063, 10.4446**, and **6.5555, 3.3795, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **17.4486, 9.4942, 1.3954**, and if you desaturate by 10%, it is **19.0672, 11.9505, 4.3421**.

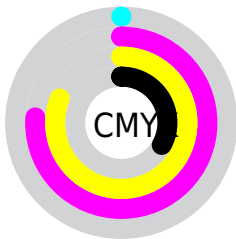
Distribution



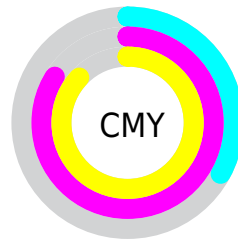
- Red (67%)
- Green (16%)
- Blue (13%)



- Red (67%)
- Yellow (16%)
- Blue (13%)



- Cyan (0%)
- Magenta (76%)
- Yellow (81%)
- Black (33%)





- Cyan (33%)
- Magenta (84%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0807, 10.4663, 2.5061 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 18.0807, 10.4663, 2.5061 by changing the saturation by 10% instead.


 18.0807, 10.4663,
2.5061


 18.0807, 10.4663,
2.5061


234.3623,
193.9685, 129.7976


 11.1080, 5.7092,
0.8434


 39.7038, 26.6689,
10.3832


 6.2073, 2.6691,
0.0000


 55.0849, 38.8833,
17.4397


 3.0134, 0.9615,
0.0000

 73.9995, 54.3522,
27.1329

 1.1609, 0.0000,
0.0000

 96.8129, 73.4600,
39.8813


 0.0751, 0.0000,
0.0000


 123.8905, 96.5911,
56.1034


 0.0000, 0.0000,
0.0000


 155.5978,


124.1300, 76.2178


 192.2999,
156.4610, 100.6430


 18.0807, 10.4663,
2.5061


 18.0807, 10.4663,
2.5061


 17.4486, 9.4942,
1.3954


 19.0672, 11.9505,
4.3421

 17.1207, 8.9857,
0.8321

 20.4490, 14.0021,
6.9983

 22.2626, 16.6713,
10.5559

 24.5396, 20.0021,
15.0860

 27.3091, 24.0349,
20.6528

■ 30.5976, 28.8064,
27.3149

■ 34.4297, 34.3511,
35.1265

■ 38.8285, 40.7011,
44.1383

■ 43.8157, 47.8868,
54.3979

Harmonies

Analogous

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



20.3836, 10.4663, 9.2311



18.0807, 10.4663, 2.5061



13.6630, 10.4663, 0.5835

Triad

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



18.0807, 10.4663, 2.5061



4.2388, 10.4663, 4.2725



10.7797, 10.4663, 53.5868

Complementary

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



18.0807, 10.4663, 2.5061



21.3474, 29.8496, 43.6659

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.



6.9758, 10.4663, 48.3399



18.0807, 10.4663, 2.5061



3.8678, 10.4663, 13.8755

Square

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



18.0807, 10.4663, 2.5061



5.9265, 10.4663, 1.0319



4.7139, 10.4663, 31.0302



15.4699, 10.4663, 42.5151

Rectangle

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



18.0807, 10.4663, 2.5061



10.5628, 10.4663, 0.2008



4.7139, 10.4663, 31.0302



9.3574, 10.4663, 53.7325

Sweetspot

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



18.0809, 10.4669, 2.5063



53.2398, 48.9701, 44.9467



24.3531, 12.5768, 36.7650



11.1256, 9.9970, 8.8673



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.0809, 10.4669, 2.5063



31.1390, 16.4011, 1.7178



22.8044, 19.9140, 4.0808



8.0409, 8.0866, 8.3504



12.7547, 6.7150, 0.6239



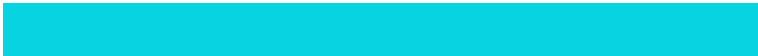
0.3666, 0.2103, 0.0213

Inverse Universe

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



21.3474, 29.8496, 43.6659



37.1013, 52.4634, 78.9768



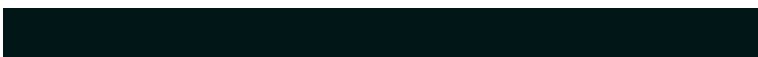
12.2155, 11.5858, 40.6219



8.1962, 8.9918, 10.2563



15.1819, 21.4976, 32.3938



0.4340, 0.6214, 0.9050

Previews

White Background



This preview shows how the XYZ color 18.0807, 10.4663, 2.5061 looks on a white 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 × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0807, 10.4663, 2.5061

Background



This preview shows how black text looks on a background with the XYZ color 18.0807, 10.4663, 2.5061.



This preview shows how white text looks on a background with the XYZ color 18.0807, 10.4663,

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

18.0807, 10.4663, 2.5061

Protanopia

9.8197, 10.6843, 4.2340

Deuteranopia

10.8275, 10.7466, 2.2131



Tritanopia

18.1723, 10.4483, 3.1568

Trichromacy



Original Color

18.0807, 10.4663, 2.5061

Protanomaly

11.5529, 9.4443, 3.4045

Deuteranomaly

12.5820, 9.8109, 2.1502

Tritanomaly

18.1219, 10.4282, 2.8914

Monochromacy



Original Color

18.0807, 10.4663, 2.5061

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

9.5698, 7.6391, 5.5275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0807, 10.4663, 2.5061 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(172, 41, 33)` looks like.

```
.text, #text, p{  
    color:rgb(172, 41, 33)  
}
```

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(172, 41, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 41, 33) }
```

Border

The CSS property to change the border of an element to XYZ 18.0807, 10.4663, 2.5061 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(172, 41, 33) }
```


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

```
.border{ border-color:rgb(172, 41, 33) }
```

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

Here you see how a box with a 4 pixel rgb(172, 41, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 41, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 41, 33);  
box-shadow:4px 4px 4px 4px rgb(172, 41,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0807, 10.4663, 2.5061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 41, 33) }
```

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

```
.background{ background-color: rgb(172, 41,  
33) }
```

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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