

Converting Colors

XYZ(18.0435, 13.5285, 3.0991)

Have a look what the booklet for
XYZ(18.0435, 13.5285, 3.0991)
contains.

XYZ(18.0435, 13.5285, 3.0991)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.0435, 13.5285,
3.0991)**

Conversions

Conversions Part 1

Format	Color
Hex	A25021
RGB	162, 80, 33
RGB Percent	64%, 31%, 13%
CMY	0.3647, 0.6863, 0.8706
CMYK	0.00, 0.51, 0.80, 0.36
HSL	22°, 66%, 38%
HSV	22°, 80%, 64%
XYZ	18.0435, 13.5285, 3.0991
YIQ	99.1600, 63.9590, 2.7670

Conversions

Conversions Part 2

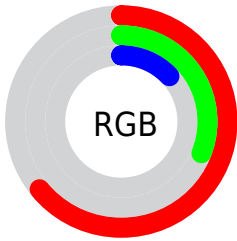
Format	Color
R_{YB}	162, 107, 33
Decimal	10637345
CIE _{Lab}	43.55, 30.69, 41.61
CIE _{LCh}	44, 51.698, 53.590
Yxy	13.5285, 0.5204, 0.3902
Android (android.graphics.Color)	4288827425 (0xFFA25021)
YUV	99.1600, -32.6169, 55.1107
Hunter-Lab	36.7811, 23.1988, 20.7511

Details

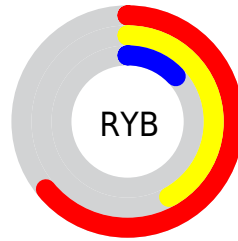
The XYZ color **18.0435, 13.5285, 3.0991** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **13.2791, 15.1925, 36.4149**, and the grayscale version is **11.9689, 12.5922, 13.7129**.

A 20% lighter version of the original color is **39.7257, 32.3563, 11.9362**, and **6.2254, 3.9761, 0.4393** is the 20% darker color. If you saturate the color by 10%, you get **17.1718, 12.0651, 1.9459**, and if you desaturate by 10%, it is **19.1406, 15.2682, 4.8663**.

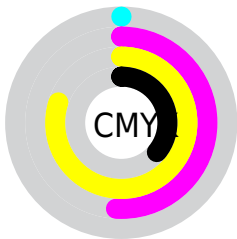
Distribution



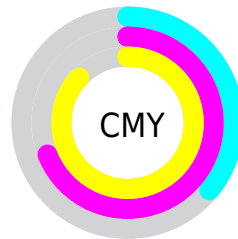
- Red (64%)
- Green (31%)
- Blue (13%)



- Red (64%)
- Yellow (42%)
- Blue (13%)



- Cyan (0%)
- Magenta (51%)
- Yellow (80%)
- Black (36%)





- Cyan (36%)
- Magenta (69%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0435, 13.5285, 3.0991 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 18.0435, 13.5285, 3.0991 by changing the saturation by 10% instead.


 18.0435, 13.5285,
3.0991


 18.0435, 13.5285,
3.0991


234.1570,
214.2775, 137.6130


 11.0811, 7.7935,
1.1455


 39.6409, 32.2500,
11.8720


 6.1891, 3.9631,
0.0000


 55.0067, 46.0054,
19.5284


 3.0022, 1.6529,
0.0000

 73.9043, 63.2029,
29.9227

 1.1549, 0.3929,
0.0000

 96.6990, 84.2270,
43.4735

 0.0703, 0.0000,
0.0000

 123.7563,
109.4621, 60.5994

 0.0000, 0.0000,
0.0000

 155.4415,

139.2927, 81.7190

192.1199,
174.1030, 107.2506

18.0435, 13.5285,
3.0991

18.0435, 13.5285,
3.0991

17.1718, 12.0651,
1.9459

19.1406, 15.2682,
4.8663

16.4887, 10.8530,
1.2431

20.4809, 17.2974,
7.3215

16.4657, 10.8122,
1.2191

22.0812, 19.6308,
10.5286

23.9564, 22.2813,
14.5442

26.1199, 25.2610,
19.4191

■ 28.5845, 28.5814,
25.2002

■ 31.3618, 32.2532,
31.9306

■ 34.4631, 36.2869,
39.6509

■ 37.8989, 40.6922,
48.3993

Harmonies

Analogous

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



21.3739, 13.5285, 7.4993



18.0435, 13.5285, 3.0991



13.7455, 13.5285, 1.8370

Triad

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



18.0435, 13.5285, 3.0991



6.5797, 13.5285, 12.3830



16.2251, 13.5285, 45.9799

Complementary

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



18.0435, 13.5285, 3.0991



13.2791, 15.1925, 36.4149

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.



12.0103, 13.5285, 49.7531



18.0435, 13.5285, 3.0991



6.9715, 13.5285, 25.5499

Square

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



18.0435, 13.5285, 3.0991



7.5643, 13.5285, 5.0768



8.7761, 13.5285, 40.8753



20.1797, 13.5285, 32.2787

Rectangle

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



18.0435, 13.5285, 3.0991



11.1178, 13.5285, 1.9604



8.7761, 13.5285, 40.8753



14.7718, 13.5285, 48.6718

Sweetspot

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



18.0438, 13.5292, 3.0993



49.6636, 48.8990, 40.4716



18.6462, 10.0500, 17.7406



10.8186, 10.5289, 8.3070



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.0438, 13.5292, 3.0993



30.1522, 20.0741, 2.5286



24.9448, 27.3312, 5.3997



7.2752, 7.4889, 7.4421



13.0102, 8.5943, 0.9732



0.3173, 0.2683, 0.0351

Inverse Universe

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



13.2791, 15.1925, 36.4149



20.9788, 22.8571, 65.3623



8.3925, 5.4194, 34.7860



7.0581, 7.5751, 8.9932



8.9987, 9.7769, 28.3426



0.2316, 0.2905, 0.6097

Previews

White Background



This preview shows how the XYZ color 18.0435, 13.5285, 3.0991 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



This preview shows how the XYZ color 18.0435, 13.5285, 3.0991 looks on a 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 18.0435, 13.5285, 3.0991

Background



This preview shows how black text looks on a background with the XYZ color 18.0435, 13.5285, 3.0991.



This preview shows how white text looks on a background with the XYZ color 18.0435, 13.5285,

3.0991.

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

18.0435, 13.5285, 3.0991

Protanopia

12.5190, 13.7601, 3.9156

Deuteranopia

13.7714, 13.5603, 2.9285



Tritanopia

19.2739, 13.5039, 9.1801

Trichromacy



Original Color

18.0435, 13.5285, 3.0991

Protanomaly

14.0990, 13.3045, 3.5752

Deuteranomaly

15.1182, 13.3217, 2.9369

Tritanomaly

18.6553, 13.4532, 6.3161

Monochromacy



Original Color

18.0435, 13.5285, 3.0991

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.1232, 12.2999, 8.3391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0435, 13.5285, 3.0991 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(162, 80, 33)` looks like.

```
.text, #text, p{  
    color:rgb(162, 80, 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(162, 80, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 80, 33) }
```

Border

The CSS property to change the border of an element to XYZ 18.0435, 13.5285, 3.0991 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(162, 80, 33) }
```


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

```
.border{ border-color:rgb(162, 80, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 80, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 80, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 80, 33);  
box-shadow:4px 4px 4px 4px rgb(162, 80,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0435, 13.5285, 3.0991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 80, 33) }
```

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

```
.background{ background-color: rgb(162, 80,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor