

Converting Colors

XYZ(16.5536, 29.7004, 9.3230)

Have a look what the booklet for
XYZ(16.5536, 29.7004, 9.3230)
contains.

XYZ(16.5823, 29.7902, 9.2910)	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(16.5823, 29.7902,
9.2910)**

Conversions

Conversions Part 1

Format	Color
Hex	33AA3D
RGB	51, 170, 61
RGB Percent	20%, 67%, 24%
CMY	0.8000, 0.3333, 0.7608
CMYK	0.70, 0.00, 0.64, 0.33
HSL	125°, 54%, 43%
HSV	125°, 70%, 67%
XYZ	16.5823, 29.7902, 9.2910
YIQ	121.9930, -35.9350, -59.1270

Conversions

Conversions Part 2

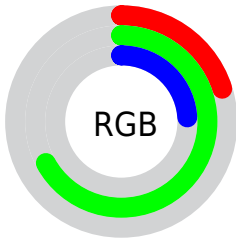
Format	Color
RYB	51, 161, 170
Decimal	3385917
CIELab	61.47, -54.55, 45.52
CIELCh	61, 71.048, 140.153
Yxy	29.7902, 0.2979, 0.5352
Android (android.graphics.Color)	4281575997 (0xFF33AA3D)
YUV	121.9930, -30.0695, -62.2609
Hunter-Lab	54.5804, -41.2849, 28.1136

Details

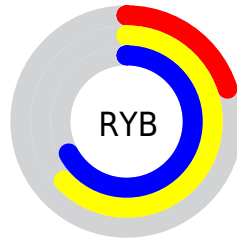
The XYZ color **16.5823, 29.7902, 9.2910** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **24.1074, 13.4522, 34.5840**, and the grayscale version is **18.6006, 19.5693, 21.3110**.

A 20% lighter version of the original color is **37.1164, 59.1624, 25.0860**, and **6.2509, 12.4930, 2.1106** is the 20% darker color. If you saturate the color by 10%, you get **15.5171, 29.2835, 7.3609**, and if you desaturate by 10%, it is **18.0839, 30.5095, 11.8785**.

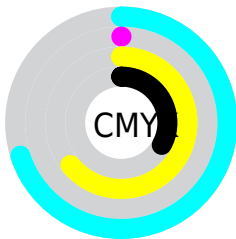
Distribution



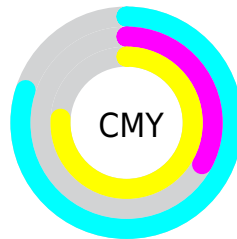
- Red (20%)
- Green (67%)
- Blue (24%)



- Red (20%)
- Yellow (63%)
- Blue (67%)



- Cyan (70%)
- Magenta (0%)
- Yellow (64%)
- Black (33%)





- Cyan (80%)
- Magenta (33%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5823, 29.7902, 9.2910 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 16.5823, 29.7902, 9.2910 by changing the saturation by 10% instead.


 16.5823, 29.7902,
9.2910


 16.5823, 29.7902,
9.2910


225.9571,
300.9253, 195.8314


 10.0306, 19.6794,
4.8321


 37.1555, 59.3302,
25.0397


 5.4817, 12.1622,
2.0921


 51.9078, 79.5283,
37.1666


 2.5702, 6.8543,
0.6110


 70.1242, 103.8575,
52.6866

 0.9308, 3.3711,
0.0000

 92.1702, 132.7023,
72.0182

 0.0000, 1.3284,
0.0000

 118.4112,
166.4471, 95.5799

 0.0000, 0.1630,
0.0000

149.2124,

 0.0000, 0.0000,

205.4762, 123.7903

0.0000

184.9393,
250.1742, 157.0680

■ 16.5823, 29.7902,
9.2910

■ 16.5823, 29.7902,
9.2910

■ 15.5171, 29.2835,
7.3609

■ 18.0839, 30.5095,
11.8785

■ 14.8391, 28.9628,
6.0273

■ 20.0600, 31.4573,
15.1734

■ 14.4566, 28.7831,
5.2196

■ 22.5468, 32.6523,
19.2229

■ 14.4566, 28.7831,
5.2196

■ 25.5767, 34.1101,
24.0698

■ 29.1791, 35.8451,
29.7536

■ 33.3815, 37.8708,
36.3112

■ 38.2096, 40.1995,
43.7773

■ 43.6875, 42.8430,
52.1846

■ 49.8381, 45.8125,
61.5645

Harmonies

Analogous

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



22.5334, 29.7902, 4.0707



16.5823, 29.7902, 9.2910



13.9800, 29.7902, 24.3655

Triad

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



16.5823, 29.7902, 9.2910



25.3350, 29.7902, 114.8274



48.8954, 29.7902, 17.6723

Complementary

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



16.5823, 29.7902, 9.2910



24.1074, 13.4522, 34.5840

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.



50.1148, 29.7902, 42.1178



16.5823, 29.7902, 9.2910



35.0088, 29.7902, 109.3281

Square

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



16.5823, 29.7902, 9.2910



18.2416, 29.7902, 90.6121



44.5802, 29.7902, 78.1874



41.5450, 29.7902, 6.7170

Rectangle

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



16.5823, 29.7902, 9.2910



13.9905, 29.7902, 42.4426



44.5802, 29.7902, 78.1874



50.0903, 29.7902, 24.1413

Sweetspot

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



16.5830, 29.7914, 9.2917



51.9740, 64.5690, 52.4657



29.4874, 36.4722, 8.6178



11.1861, 14.2044, 11.0639



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.



16.5830, 29.7914, 9.2917



27.3926, 52.7694, 11.8922



19.1563, 30.8207, 22.8423



7.4614, 8.4176, 8.1499



10.6433, 21.1761, 3.8883



0.2667, 0.5183, 0.1352

Inverse Universe

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



24.1074, 13.4522, 34.5840



41.8573, 21.2027, 60.3979



20.0908, 11.8456, 13.4332



7.8143, 7.6556, 9.3393



16.6009, 8.0491, 23.7738



0.4116, 0.1989, 0.6188

Previews

White Background



This preview shows how the XYZ color 16.5823, 29.7902, 9.2910 looks on a white 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

Black Background



This preview shows how the XYZ color 16.5823, 29.7902, 9.2910 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 × Fail

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

XYZ 16.5823, 29.7902, 9.2910

Background



This preview shows how black text looks on a background with the XYZ color 16.5823, 29.7902, 9.2910.



This preview shows how white text looks on a background with the XYZ color 16.5823, 29.7902,

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

16.5823, 29.7902, 9.2910

Protanopia

26.5893, 29.3482, 7.8778

Deuteranopia

29.7750, 29.1434, 9.8503



Tritanopia

23.4118, 29.6138, 43.5118

Trichromacy



Original Color

16.5823, 29.7902, 9.2910

Protanomaly

20.7954, 28.2833, 8.2341

Deuteranomaly

21.9112, 27.6068, 9.4840

Tritanomaly

19.8606, 29.1999, 26.4192

Monochromacy



Original Color

16.5823, 29.7902, 9.2910

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

16.3567, 21.8721, 15.4162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5823, 29.7902, 9.2910 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(51, 170, 61)` looks like.

```
.text, #text, p{  
    color:rgb(51, 170, 61)  
}
```

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(51, 170, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 170, 61) }
```

Border

The CSS property to change the border of an element to XYZ 16.5823, 29.7902, 9.2910 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(51, 170, 61) }
```


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

```
.border{ border-color:rgb(51, 170, 61) }
```

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

Here you see how a box with a 4 pixel rgb(51, 170, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 170, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 170, 61);  
box-shadow:4px 4px 4px 4px rgb(51, 170,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5823, 29.7902, 9.2910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 170, 61) }
```

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

```
.background{ background-color: rgb(51, 170,  
61) }
```

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