

Converting Colors

XYZ(16.3652, 29.5782, 8.5652)

Have a look what the booklet for
XYZ(16.3652, 29.5782, 8.5652)
contains.

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Color

**XYZ(16.4538, 29.7388,
8.6143)**

Conversions

Conversions Part 1

Format	Color
Hex	33AA38
RGB	51, 170, 56
RGB Percent	20%, 67%, 22%
CMY	0.8000, 0.3333, 0.7804
CMYK	0.70, 0.00, 0.67, 0.33
HSL	123°, 54%, 43%
HSV	123°, 70%, 67%
XYZ	16.4538, 29.7388, 8.6143
YIQ	121.4230, -34.3300, -60.6820

Conversions

Conversions Part 2

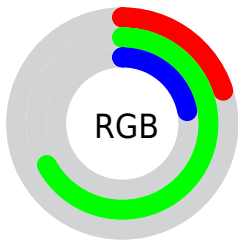
Format	Color
RYB	51, 165, 170
Decimal	3385912
CIELab	61.43, -55.08, 47.64
CIELCh	61, 72.823, 139.143
Yxy	29.7388, 0.3002, 0.5426
Android (android.graphics.Color)	4281575992 (0xFF33AA38)
YUV	121.4230, -32.2535, -61.7610
Hunter-Lab	54.5333, -41.5762, 28.8076

Details

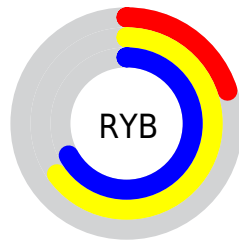
The XYZ color **16.4538, 29.7388, 8.6143** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **24.5537, 13.6308, 36.9346**, and the grayscale version is **18.4210, 19.3804, 21.1052**.

A 20% lighter version of the original color is **36.8426, 59.0528, 23.6439**, and **6.2454, 12.4908, 2.0818** is the 20% darker color. If you saturate the color by 10%, you get **15.4133, 29.2420, 6.8143**, and if you desaturate by 10%, it is **17.9385, 30.4513, 11.1127**.

Distribution



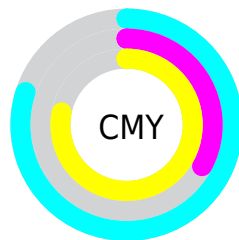
- Red (20%)
- Green (67%)
- Blue (22%)



- Red (20%)
- Yellow (65%)
- Blue (67%)



- Cyan (70%)
- Magenta (0%)
- Yellow (67%)
- Black (33%)





- Cyan (80%)
- Magenta (33%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4538, 29.7388, 8.6143 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 16.4538, 29.7388, 8.6143 by changing the saturation by 10% instead.


 16.4538, 29.7388,
8.6143


 16.4538, 29.7388,
8.6143


225.2229,
300.6850, 190.5848


 9.9387, 19.6404,
4.3971


 36.9354, 59.2489,
23.7199


 5.4203, 12.1339,
1.8456


 51.6326, 79.4293,
35.4455


 2.5332, 6.8350,
0.4578


 69.7878, 103.7393,
50.5109

 0.9120, 3.3591,
0.0000

 91.7666, 132.5631,
69.3347

 0.0000, 1.3220,
0.0000

 117.9341,
166.2852, 92.3355

 0.0000, 0.1581,
0.0000

 148.6557,

 0.0000, 0.0000,

205.2899, 119.9317

0.0000

184.2969,
249.9618, 152.5420

■ 16.4538, 29.7388,
8.6143

■ 16.4538, 29.7388,
8.6143

■ 15.4133, 29.2420,
6.8143

■ 17.9385, 30.4513,
11.1127

■ 14.7655, 28.9334,
5.6400

■ 19.9072, 31.3962,
14.3687

■ 14.4145, 28.7663,
4.9979

■ 22.3977, 32.5926,
18.4376

■ 14.4145, 28.7663,
4.9979

■ 25.4436, 34.0568,
23.3688

■ 29.0755, 35.8037,
29.2080

■ 33.3220, 37.8469,
35.9976

■ 38.2096, 40.1995,
43.7773

■ 43.7634, 42.8734,
52.5844

■ 50.0071, 45.8801,
62.4547

Harmonies

Analogous

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



22.6220, 29.7388, 3.6864



16.4538, 29.7388, 8.6143



13.7101, 29.7388, 23.3899

Triad

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



16.4538, 29.7388, 8.6143



24.9220, 29.7388, 117.2827



49.5962, 29.7388, 17.9264

Complementary

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



16.4538, 29.7388, 8.6143



24.5537, 13.6308, 36.9346

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.



50.6098, 29.7388, 43.4222



16.4538, 29.7388, 8.6143



34.7780, 29.7388, 112.6704

Square

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



16.4538, 29.7388, 8.6143



17.8074, 29.7388, 91.2705



44.6971, 29.7388, 80.8871



42.1798, 29.7388, 6.5631

Rectangle

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



16.4538, 29.7388, 8.6143



13.6509, 29.7388, 41.5519



44.6971, 29.7388, 80.8871



50.7516, 29.7388, 24.6689

Sweetspot

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



16.4545, 29.7400, 8.6150



51.7772, 64.4903, 51.4289



30.7064, 37.1006, 8.6748



11.1387, 14.1854, 10.8140



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.



16.4545, 29.7400, 8.6150



27.2337, 52.7058, 11.0552



18.8046, 30.6801, 20.9906



7.4491, 8.4127, 8.0849



10.6083, 21.1621, 3.7041



0.2620, 0.5164, 0.1105

Inverse Universe

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



24.5537, 13.6308, 36.9346



42.8337, 21.5933, 65.5398



20.3916, 11.9659, 15.0170



7.8281, 7.6611, 9.4119



17.0534, 8.2301, 26.1563



0.4189, 0.2018, 0.6575

Previews

White Background



This preview shows how the XYZ color 16.4538, 29.7388, 8.6143 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 16.4538, 29.7388, 8.6143 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 16.4538, 29.7388, 8.6143

Background



This preview shows how black text looks on a background with the XYZ color 16.4538, 29.7388, 8.6143.



This preview shows how white text looks on a background with the XYZ color 16.4538, 29.7388,

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

16.4538, 29.7388, 8.6143

Protanopia

26.5265, 29.0971, 7.2358

Deuteranopia

29.6529, 29.0946, 9.2072



Tritanopia

23.4118, 29.6138, 43.5118

Trichromacy



Original Color

16.4538, 29.7388, 8.6143



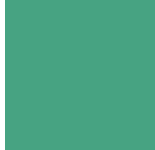
Protanomaly

20.6534, 27.9757, 7.5601



Deuteranomaly

21.7676, 27.5494, 8.7277



Tritanomaly

19.7250, 29.1457, 25.7052

Monochromacy



Original Color

16.4538, 29.7388, 8.6143



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

16.2142, 21.8151, 14.6654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4538, 29.7388, 8.6143 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(51, 170, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 170, 56) }
```

Border

The CSS property to change the border of an element to XYZ 16.4538, 29.7388, 8.6143 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, 56) }
```


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

```
.border{ border-color:rgb(51, 170, 56) }
```

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, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 170, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 170, 56);  
box-shadow:4px 4px 4px 4px rgb(51, 170,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4538, 29.7388, 8.6143 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, 56) }
```

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

```
.background{ background-color: rgb(51, 170,  
56) }
```

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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