

Converting Colors

XYZ(9.5284, 16.2018, 5.9466)

Have a look what the booklet for
XYZ(9.5284, 16.2018, 5.9466)
contains.

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Color

**XYZ(9.5807, 16.3238,
6.0140)**

Conversions

Conversions Part 1

Format	Color
Hex	308035
RGB	48, 128, 53
RGB Percent	19%, 50%, 21%
CMY	0.8118, 0.4980, 0.7921
CMYK	0.63, 0.00, 0.59, 0.50
HSL	124°, 45%, 35%
HSV	124°, 63%, 50%
XYZ	9.5807, 16.3238, 6.0140
YIQ	95.5300, -23.6050, -40.2850

Conversions

Conversions Part 2

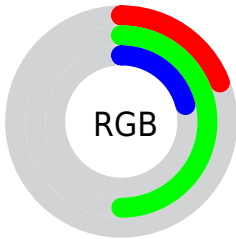
Format	Color
R_{YB}	48, 123, 128
Decimal	3178549
CIE _{Lab}	47.40, -40.56, 33.14
CIE _{LCh}	47, 52.379, 140.754
Yxy	16.3238, 0.3002, 0.5114
Android (android.graphics.Color)	4281368629 (0xFF308035)
YUV	95.5300, -20.9673, -41.6838
Hunter-Lab	40.4027, -28.3770, 19.4565

Details

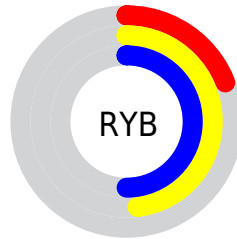
The XYZ color **9.5807, 16.3238, 6.0140** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **13.5346, 8.1334, 19.5957**, and the grayscale version is **11.0580, 11.6338, 12.6693**.

A 20% lighter version of the original color is **24.7197, 37.2988, 18.4669**, and **2.7463, 5.4575, 1.0235** is the 20% darker color. If you saturate the color by 10%, you get **8.8197, 15.9600, 4.7137**, and if you desaturate by 10%, it is **10.5859, 16.8065, 7.6874**.

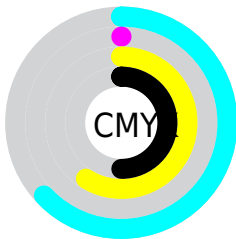
Distribution



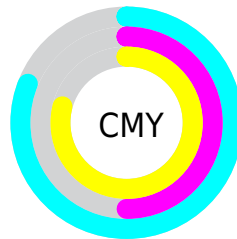
- Red (19%)
- Green (50%)
- Blue (21%)



- Red (19%)
- Yellow (48%)
- Blue (50%)



- Cyan (63%)
- Magenta (0%)
- Yellow (59%)
- Black (50%)





- Cyan (81%)
- Magenta (50%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.5807, 16.3238, 6.0140 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 9.5807, 16.3238, 6.0140 by changing the saturation by 10% instead.

 9.5807, 16.3238,
6.0140


 9.5807, 16.3238,
6.0140


181.7696,
231.2449, 168.5065


 5.1820, 9.7536,
2.7847


 24.6607, 37.1594,
18.4381


 2.3903, 5.2359,
0.9858

 36.0727, 52.1936,
28.4700


 0.8403, 2.3863,
0.0000

 50.5531, 70.8179,
41.6064

 0.0000, 0.8188,
0.0000

 68.4674, 93.4167,
58.2660

 0.0000, 0.0000,
0.0000

 90.1808, 120.3744,
78.8673

 116.0587,

152.0754, 103.8287

146.4665,
188.9041, 133.5690

■ 9.5807, 16.3238,
6.0140

■ 9.5807, 16.3238,
6.0140

■ 8.8197, 15.9600,
4.7137

■ 10.5859, 16.8065,
7.6874

■ 8.2811, 15.7029,
3.7570

■ 11.8525, 17.4149,
9.7583

■ 7.9409, 15.5415,
3.1117

■ 13.3975, 18.1579,
12.2503

■ 7.7634, 15.4566,
2.8041

■ 15.2362, 19.0427,
15.1850

■ 17.3825, 20.0762,
18.5823

■ 19.8498, 21.2648,
22.4610

■ 22.6505, 22.6146,
26.8388

■ 25.7963, 24.1313,
31.7327

■ 29.2984, 25.8202,
37.1586

Harmonies

Analogous

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



12.5636, 16.3238, 2.9877



9.5807, 16.3238, 6.0140



8.2702, 16.3238, 13.9763

Triad

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



9.5807, 16.3238, 6.0140



14.1255, 16.3238, 56.8029



25.4431, 16.3238, 10.1699

Complementary

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



9.5807, 16.3238, 6.0140



13.5346, 8.1334, 19.5957

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.



26.0924, 16.3238, 22.2036



9.5807, 16.3238, 6.0140



18.8965, 16.3238, 53.9741

Square

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



9.5807, 16.3238, 6.0140



10.5276, 16.3238, 45.8143



23.5012, 16.3238, 39.3354



21.8720, 16.3238, 4.4208

Rectangle

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



9.5807, 16.3238, 6.0140



8.2970, 16.3238, 22.9807



23.5012, 16.3238, 39.3354



26.0348, 16.3238, 13.4197

Sweetspot

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



9.5811, 16.3245, 6.0144



27.9235, 34.0552, 28.4786



16.5656, 19.9377, 5.7716



6.3320, 7.8742, 6.3413



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



9.5811, 16.3245, 6.0144



15.0816, 27.8856, 7.5166



10.8703, 16.8402, 12.8031



4.2861, 4.8228, 4.6778



7.6978, 15.3257, 2.7814



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.5346, 8.1334, 19.5957



22.6513, 12.1642, 33.4917



11.5597, 7.3434, 9.1959



4.4869, 4.4079, 5.3686



12.1887, 5.8952, 18.1151



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 9.5807, 16.3238, 6.0140 looks on a white background.

Color Contrast Check

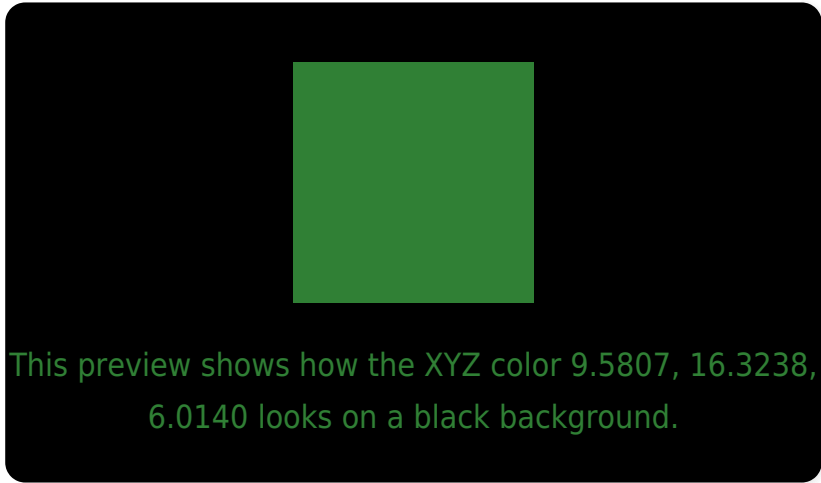
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.5807, 16.3238, 6.0140

Background



This preview shows how black text looks on a background with the XYZ color 9.5807, 16.3238, 6.0140.



This preview shows how white text looks on a background with the XYZ color 9.5807, 16.3238,

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

9.5807, 16.3238, 6.0140

Protanopia

14.6399, 16.0868, 5.1298

Deuteranopia

16.3636, 16.1495, 6.3924



Tritanopia

13.1296, 16.2736, 23.5682

Trichromacy



Original Color

9.5807, 16.3238, 6.0140

Protanomaly

11.8780, 15.6740, 5.4169

Deuteranomaly

12.6950, 15.5601, 6.2052

Tritanomaly

11.4057, 16.1173, 15.0802

Monochromacy



Original Color

9.5807, 16.3238, 6.0140

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.0350, 12.9666, 9.5633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.5807, 16.3238, 6.0140 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(48, 128, 53)` looks like.

```
.text, #text, p{  
    color:rgb(48, 128, 53)  
}
```

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(48, 128, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 128, 53) }
```

Border

The CSS property to change the border of an element to XYZ 9.5807, 16.3238, 6.0140 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(48, 128, 53) }
```


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

```
.border{ border-color:rgb(48, 128, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 128, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 128, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 128, 53);  
box-shadow:4px 4px 4px 4px rgb(48, 128,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 9.5807, 16.3238, 6.0140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 128, 53) }
```

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

```
.background{ background-color: rgb(48, 128,  
53) }
```

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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