

Converting Colors

XYZ(5.5854, 9.7250, 0.1621)

Have a look what the booklet for
XYZ(5.5854, 9.7250, 0.1621)
contains.

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Color

XYZ(5.8238, 9.7673, 1.5783)

Conversions

Conversions Part 1

Format	Color
Hex	316400
RGB	49, 100, 0
RGB Percent	19%, 39%, 0%
CMY	0.8078, 0.6078, 1.0000
CMYK	0.51, 0.00, 1.00, 0.61
HSL	91°, 100%, 20%
HSV	91°, 100%, 39%
XYZ	5.8238, 9.7673, 1.5783
YIQ	73.3510, 1.7040, -41.9120

Conversions

Conversions Part 2

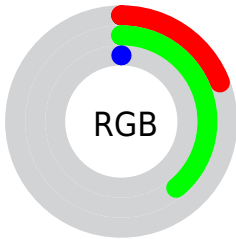
Format	Color
RYB	0, 100, 51
Decimal	3236864
CIELab	37.42, -33.15, 43.34
CIELCh	37, 54.564, 127.409
Yxy	9.7673, 0.3392, 0.5689
Android (android.graphics.Color)	4281426944 (0xFF316400)
YUV	73.3510, -36.1620, -21.3558
Hunter-Lab	31.2527, -21.4295, 18.8827

Details

The XYZ color **5.8238, 9.7673, 1.5783** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.6659, 1.6242, 12.1774**, and the grayscale version is **6.4560, 6.7923, 7.3968**.

A 20% lighter version of the original color is **17.1720, 25.1953, 7.8290**, and **1.2280, 2.4560, 0.4093** is the 20% darker color. If you saturate the color by 10%, you get **5.8239, 9.7677, 1.5784**, and if you desaturate by 10%, it is **6.1389, 9.9237, 1.8792**.

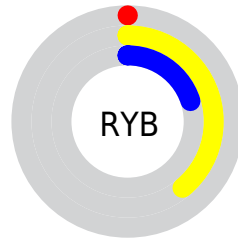
Distribution



Red (19%)

Green (39%)

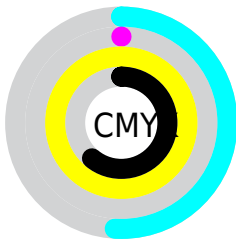
Blue (0%)



Red (0%)

Yellow (39%)

Blue (20%)

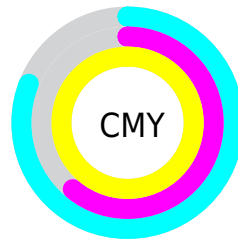


Cyan (51%)

Magenta (0%)

Yellow (100%)

Black (61%)



Cyan (81%)


Magenta (61%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 5.8238, 9.7673, 1.5783 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 5.8238, 9.7673, 1.5783 by changing the saturation by 10% instead.


 5.8238, 9.7673,
1.5783


 5.8238, 9.7673,
1.5783


 152.2667,
189.0031, 115.4409


 2.7779, 5.2449,
0.2753

 17.2935, 25.3569,
7.8521


 1.0374, 2.3917,
0.0000


 26.4479, 37.1929,
13.8110

 0.0000, 0.8216,
0.0000

 38.3693, 52.2356,
22.2093


 0.0000, 0.0000,
0.0000


 53.4228, 70.8694,
33.4656


 71.9740, 93.4786,
47.9983


 94.3882, 120.4477,


66.2261


 121.0306,
152.1611, 88.5674


 5.8238, 9.7673,
1.5783


 5.8238, 9.7673,
1.5783


 5.8239, 9.7677,
1.5784

 6.1389, 9.9237,
1.8792

 6.4992, 10.1012,
2.2692

 6.9258, 10.3086,
2.8533

 7.4233, 10.5479,
3.6526

 7.9961, 10.8209,
4.6854

■ 8.6479, 11.1293,
5.9681

■ 9.3824, 11.4744,
7.5155

■ 10.2029, 11.8578,
9.3415

■ 11.1124, 12.2808,
11.4589

Harmonies

Analogous

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



8.4583, 9.7673, 0.7279



5.8238, 9.7673, 1.5783



4.4263, 9.7673, 4.9012

Triad

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



5.8238, 9.7673, 1.5783



6.9721, 9.7673, 39.3695



17.4862, 9.7673, 8.3792

Complementary

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



5.8238, 9.7673, 1.5783



3.6659, 1.6242, 12.1774

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.



16.8069, 9.7673, 19.6733



5.8238, 9.7673, 1.5783



10.1608, 9.7673, 42.5441

Square

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



5.8238, 9.7673, 1.5783



4.9662, 9.7673, 26.7447



13.8975, 9.7673, 33.8206



15.5742, 9.7673, 2.7894

Rectangle

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



5.8238, 9.7673, 1.5783



4.1283, 9.7673, 9.8031



13.8975, 9.7673, 33.8206



17.5600, 9.7673, 11.5126

Sweetspot

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



5.8240, 9.7677, 1.5785



16.3284, 20.0592, 12.9167



6.3965, 4.9909, 0.6263



3.9196, 4.8896, 2.9685



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



5.8240, 9.7677, 1.5785



10.0855, 17.0592, 2.7612



4.5574, 9.1148, 1.5192



2.9128, 3.2022, 3.0390



7.7457, 13.0518, 2.1110



39.3927, 67.5536, 10.9630

Inverse Universe

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



3.6659, 1.6242, 12.1774



6.3016, 2.7828, 21.3417



7.5562, 3.6297, 12.3595



2.8133, 2.8258, 3.5291



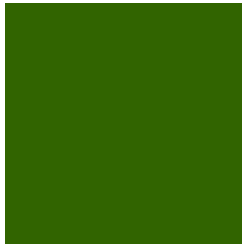
4.8558, 2.1474, 16.3029



24.3125, 10.6778, 84.9810

Previews

White Background



This preview shows how the XYZ color 5.8238, 9.7673, 1.5783 looks on a white background.

Color Contrast Check

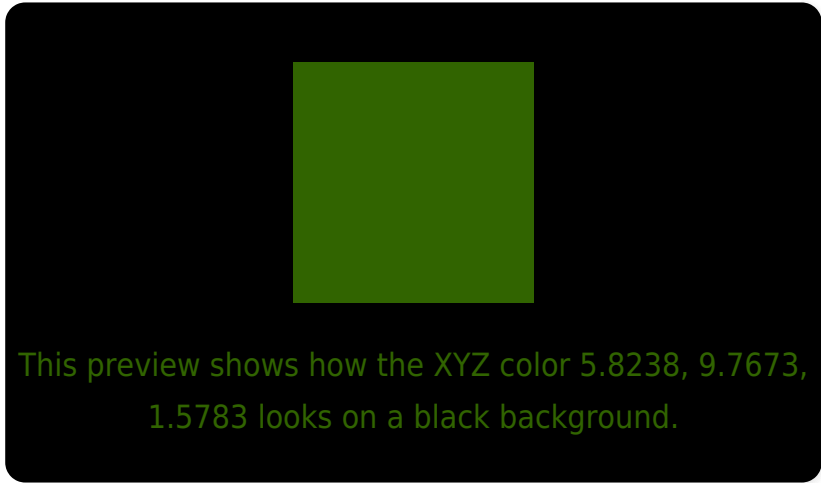
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 5.8238, 9.7673, 1.5783

Background



This preview shows how black text looks on a background with the XYZ color 5.8238, 9.7673, 1.5783.



This preview shows how white text looks on a background with the XYZ color 5.8238, 9.7673, 1.5783.

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

5.8238, 9.7673, 1.5783

Protanopia

8.6353, 9.6321, 1.4041

Deuteranopia

9.7751, 9.6165, 2.0028



Tritanopia

8.2645, 9.8056, 13.5137

Trichromacy



Original Color

5.8238, 9.7673, 1.5783

Protanomaly

7.2205, 9.4036, 1.4345

Deuteranomaly

7.6695, 9.2485, 1.7617

Tritanomaly

6.8532, 9.6354, 6.3491

Monochromacy



Original Color

5.8238, 9.7673, 1.5783

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

5.7008, 7.4738, 3.7269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 5.8238, 9.7673, 1.5783 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(49, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(49, 100, 0)  
}
```

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(49, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 100, 0) }
```

Border

The CSS property to change the border of an element to XYZ 5.8238, 9.7673, 1.5783 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(49, 100, 0) }
```

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

```
.border{ border-color:rgb(49, 100, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 100, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(49, 100, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 5.8238, 9.7673, 1.5783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 100, 0) }
```

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

```
.background{ background-color: rgb(49, 100,  
0) }
```

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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