

Converting Colors

XYZ(9.8572, 16.8959, 5.1401)

Have a look what the booklet for
XYZ(9.8572, 16.8959, 5.1401)
contains.

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Color

**XYZ(9.8534, 16.8772,
5.1212)**

Conversions

Conversions Part 1

Format	Color
Hex	34822C
RGB	52, 130, 44
RGB Percent	20%, 51%, 17%
CMY	0.7961, 0.4902, 0.8274
CMYK	0.60, 0.00, 0.66, 0.49
HSL	114°, 49%, 34%
HSV	114°, 66%, 51%
XYZ	9.8534, 16.8772, 5.1212
YIQ	96.8740, -18.8820, -43.2820

Conversions

Conversions Part 2

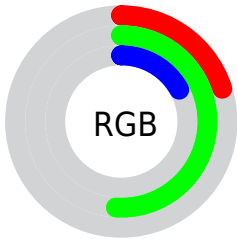
Format	Color
RYB	44, 130, 122
Decimal	3441196
CIELab	48.10, -41.43, 38.33
CIELCh	48, 56.443, 137.225
Yxy	16.8772, 0.3094, 0.5299
Android (android.graphics.Color)	4281631276 (0xFF34822C)
YUV	96.8740, -26.0669, -39.3545
Hunter-Lab	41.0819, -29.0804, 21.3663

Details

The XYZ color **9.8534, 16.8772, 5.1212** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **12.9572, 7.5514, 21.8947**, and the grayscale version is **11.3970, 11.9905, 13.0576**.

A 20% lighter version of the original color is **25.2243, 38.2149, 16.6364**, and **2.7960, 5.5920, 0.9320** is the 20% darker color. If you saturate the color by 10%, you get **9.1135, 16.5202, 4.0049**, and if you desaturate by 10%, it is **10.8224, 17.3444, 6.6487**.

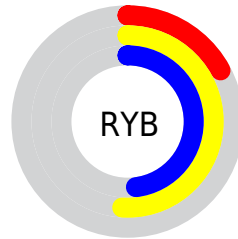
Distribution



Red (20%)

Green (51%)

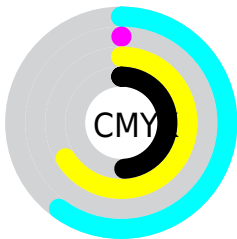
Blue (17%)



Red (17%)

Yellow (51%)

Blue (48%)

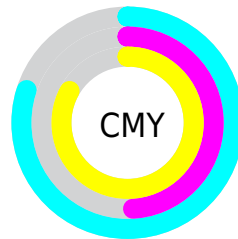


Cyan (60%)

Magenta (0%)

Yellow (66%)

Black (49%)



Cyan (80%)

Magenta (49%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8534, 16.8772, 5.1212 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 9.8534, 16.8772, 5.1212 by changing the saturation by 10% instead.

■ 9.8534, 16.8772,
5.1212

■ 9.8534, 16.8772,
5.1212

183.6981,
234.4637, 159.9737

■ 5.3634, 10.1470,
2.2586

■ 25.1716, 38.1145,
16.5226

■ 2.4989, 5.4965,
0.7079

■ 36.7305, 53.3904,
25.8984

■ 0.8947, 2.5414,
0.0000

■ 51.3763, 72.2836,
38.2825

■ 0.0000, 0.8973,
0.0000

■ 69.4746, 95.1786,
54.0931

■ 0.0000, 0.0000,
0.0000

■ 91.3905, 122.4597,
73.7491

■ 117.4895,

154.5113, 97.6688

148.1369,
191.7179, 126.2708

■ 9.8534, 16.8772,
5.1212

■ 9.8534, 16.8772,
5.1212

■ 9.1135, 16.5202,
4.0049

■ 10.8224, 17.3444,
6.6487

■ 8.5825, 16.2625,
3.2590

■ 12.0360, 17.9277,
8.6210

■ 8.2349, 16.0927,
2.8158

■ 13.5099, 18.6349,
11.0692

■ 8.1358, 16.0448,
2.6682

■ 15.2582, 19.4726,
14.0217

■ 17.2937, 20.4469,
17.5044

■ 19.6285, 21.5637,
21.5415

■ 22.2743, 22.8282,
26.1558

■ 25.2418, 24.2457,
31.3686

■ 28.5412, 25.8210,
37.2004

Harmonies

Analogous

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



13.3028, 16.8772, 2.4697



9.8534, 16.8772, 5.1212



8.2373, 16.8772, 12.8276

Triad

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



9.8534, 16.8772, 5.1212



13.9643, 16.8772, 61.7774



27.3818, 16.8772, 11.2367

Complementary

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



9.8534, 16.8772, 5.1212



12.9572, 7.5514, 21.8947

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.



27.6650, 16.8772, 25.3312



9.8534, 16.8772, 5.1212



19.1319, 16.8772, 60.5164

Square

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



9.8534, 16.8772, 5.1212



10.2486, 16.8772, 47.7561



24.3930, 16.8772, 44.8935



23.6862, 16.8772, 4.4896

Rectangle

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



9.8534, 16.8772, 5.1212



8.1318, 16.8772, 22.1494



24.3930, 16.8772, 44.8935



27.9034, 16.8772, 15.0582

Sweetspot

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



9.8538, 16.8779, 5.1216



28.8491, 35.2390, 28.0703



16.5474, 18.7008, 5.1206



6.3415, 7.8860, 6.0315



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.



9.8538, 16.8779, 5.1216



15.5716, 28.8608, 6.3669



10.4115, 17.0574, 10.0274



4.3103, 4.8364, 4.6265



7.8037, 15.3853, 2.5584



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.9572, 7.5514, 21.8947



21.4053, 11.1224, 38.2111



12.2002, 7.3849, 11.7531



4.4600, 4.3927, 5.4261



11.0188, 5.2341, 20.6795



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 9.8534, 16.8772, 5.1212 looks on a white background.

Color Contrast Check

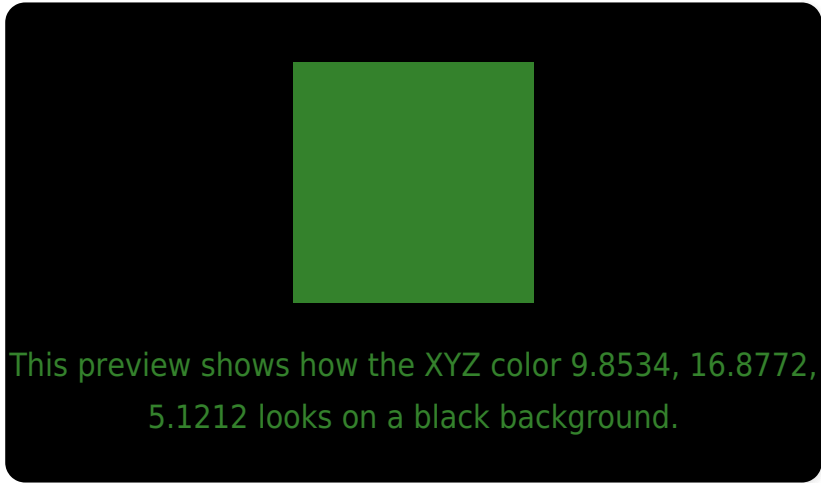
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.8534, 16.8772, 5.1212

Background



This preview shows how black text looks on a background with the XYZ color 9.8534, 16.8772, 5.1212.



This preview shows how white text looks on a background with the XYZ color 9.8534, 16.8772,

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

9.8534, 16.8772, 5.1212

Protanopia

15.1527, 16.6999, 4.4322

Deuteranopia

16.9446, 16.6269, 5.4482



Tritanopia

13.7288, 16.9355, 24.0180

Trichromacy



Original Color

9.8534, 16.8772, 5.1212

Protanomaly

12.3722, 16.3024, 4.5924

Deuteranomaly

13.0856, 15.9554, 5.1863

Tritanomaly

11.7657, 16.6919, 14.4061

Monochromacy



Original Color

9.8534, 16.8772, 5.1212

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.2371, 13.2367, 9.2231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8534, 16.8772, 5.1212 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(52, 130, 44)` looks like.

```
.text, #text, p{  
    color:rgb(52, 130, 44)  
}
```

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(52, 130, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 130, 44) }
```

Border

The CSS property to change the border of an element to XYZ 9.8534, 16.8772, 5.1212 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(52, 130, 44) }
```


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

```
.border{ border-color:rgb(52, 130, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 130, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 130, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 130, 44);  
box-shadow:4px 4px 4px 4px rgb(52, 130,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8534, 16.8772, 5.1212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 130, 44) }
```

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

```
.background{ background-color: rgb(52, 130,  
44) }
```

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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