

Converting Colors

XYZ(11.6246, 20.8981, 5.8148)

Have a look what the booklet for
XYZ(11.6246, 20.8981, 5.8148)
contains.

XYZ(11.6622, 20.9905, 5.8198)	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(11.6622, 20.9905,
5.8198)**

Conversions

Conversions Part 1

Format	Color
Hex	2D912C
RGB	45, 145, 44
RGB Percent	18%, 57%, 17%
CMY	0.8235, 0.4314, 0.8274
CMYK	0.69, 0.00, 0.70, 0.43
HSL	119°, 53%, 37%
HSV	119°, 70%, 57%
XYZ	11.6622, 20.9905, 5.8198
YIQ	103.5860, -27.1790, -52.6110

Conversions

Conversions Part 2

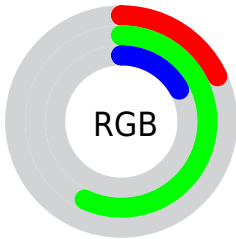
Format	Color
R_{YB}	44, 145, 144
Decimal	2986284
CIE _{Lab}	52.94, -48.69, 43.52
CIE _{LCh}	53, 65.310, 138.210
Yxy	20.9905, 0.3031, 0.5456
Android (android.graphics.Color)	4281176364 (0xFF2D912C)
YUV	103.5860, -29.3759, -51.3799
Hunter-Lab	45.8154, -34.7402, 24.5393

Details

The XYZ color **11.6622, 20.9905, 5.8198** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.5144, 9.7758, 27.7529**, and the grayscale version is **13.1291, 13.8128, 15.0421**.

A 20% lighter version of the original color is **28.5455, 45.1380, 18.0345**, and **3.9144, 7.8287, 1.3048** is the 20% darker color. If you saturate the color by 10%, you get **10.9082, 20.6286, 4.6021**, and if you desaturate by 10%, it is **12.7273, 21.5030, 7.5502**.

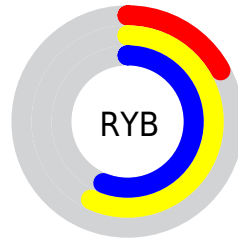
Distribution



Red (18%)

Green (57%)

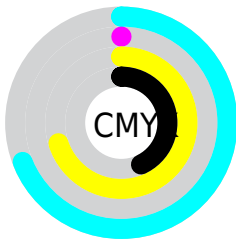
Blue (17%)



Red (17%)

Yellow (57%)

Blue (56%)

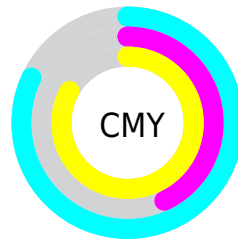


Cyan (69%)

Magenta (0%)

Yellow (70%)

Black (43%)



Cyan (82%)


Magenta (43%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.6622, 20.9905, 5.8198 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 11.6622, 20.9905, 5.8198 by changing the saturation by 10% instead.

 11.6622, 20.9905,
5.8198


 11.6622, 20.9905,
5.8198


195.9719,
257.2280, 166.7018


 6.5847, 13.1171,
2.6688


 28.5006, 45.0717,
18.0269


 3.2477, 7.5092,
0.9277


 40.9921, 62.0483,
27.9200


 1.2861, 3.7825,
0.0000

 56.6857, 82.8280,
40.8977

 0.1728, 1.5527,
0.0000

 75.9467, 107.7953,
57.3783

 0.0000, 0.3254,
0.0000

 99.1405, 137.3346,
77.7805

 0.0000, 0.0000,
0.0000

 126.6324,

171.8302, 102.5228

158.7877,
211.6665, 132.0237

■ 11.6622, 20.9905,
5.8198

■ 11.6622, 20.9905,
5.8198

■ 10.9082, 20.6286,
4.6021

■ 12.7273, 21.5030,
7.5502

■ 10.4307, 20.3988,
3.8397

■ 14.1307, 22.1772,
9.8399

■ 10.1527, 20.2652,
3.3909

■ 15.8981, 23.0262,
12.7318

■ 10.1437, 20.2608,
3.3761

■ 18.0525, 24.0609,
16.2643

■ 20.6151, 25.2914,
20.4726

■ 23.6052, 26.7272,
25.3893

■ 27.0411, 28.3769,
31.0449

■ 30.9402, 30.2488,
37.4681

■ 35.3186, 32.3507,
44.6863

Harmonies

Analogous

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



16.1158, 20.9905, 2.4969



11.6622, 20.9905, 5.8198



9.6454, 20.9905, 15.9891

Triad

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



11.6622, 20.9905, 5.8198



17.3819, 20.9905, 83.1278



35.2373, 20.9905, 12.9877

Complementary

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



11.6622, 20.9905, 5.8198



17.5144, 9.7758, 27.7529

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.



35.7974, 20.9905, 31.4495



11.6622, 20.9905, 5.8198



24.3505, 20.9905, 80.5718

Square

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



11.6622, 20.9905, 5.8198



12.4057, 20.9905, 64.0240



31.4540, 20.9905, 58.2766



30.0639, 20.9905, 4.7016

Rectangle

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



11.6622, 20.9905, 5.8198



9.5578, 20.9905, 28.6682



31.4540, 20.9905, 58.2766



36.0085, 20.9905, 17.8862

Sweetspot

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



11.6627, 20.9914, 5.8203



36.0431, 44.8718, 35.2258



22.0027, 25.9428, 6.2310



7.7618, 9.8591, 7.4153



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



11.6627, 20.9914, 5.8203



18.9581, 36.6642, 7.3189



13.1325, 21.5743, 13.7862



5.3475, 6.0318, 5.7718



8.7016, 17.3784, 2.8958



0.0840, 0.1666, 0.0277

Inverse Universe

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



17.5144, 9.7758, 27.7529



30.1486, 15.1813, 49.3148



14.6982, 8.6696, 12.0101



5.6211, 5.5084, 6.7957



14.1859, 6.8067, 23.5432



0.1367, 0.0656, 0.2251

Previews

White Background



This preview shows how the XYZ color 11.6622, 20.9905, 5.8198 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 11.6622, 20.9905, 5.8198 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 11.6622, 20.9905, 5.8198

Background



This preview shows how black text looks on a background with the XYZ color 11.6622, 20.9905, 5.8198.



This preview shows how white text looks on a background with the XYZ color 11.6622, 20.9905,

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

11.6622, 20.9905, 5.8198

Protanopia

18.8116, 20.7309, 4.9294

Deuteranopia

20.9497, 20.5186, 6.2245



Tritanopia

16.5248, 20.7810, 30.3343

Trichromacy



Original Color

11.6622, 20.9905, 5.8198

Protanomaly

14.7316, 19.9993, 5.1816

Deuteranomaly

15.4974, 19.3816, 5.9418

Tritanomaly

13.9795, 20.5935, 17.7061

Monochromacy



Original Color

11.6622, 20.9905, 5.8198

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

11.6871, 15.6418, 10.3858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6622, 20.9905, 5.8198 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(45, 145, 44)` looks like.

```
.text, #text, p{  
    color:rgb(45, 145, 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(45, 145, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 145, 44) }
```

Border

The CSS property to change the border of an element to XYZ 11.6622, 20.9905, 5.8198 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(45, 145, 44) }
```


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

```
.border{ border-color:rgb(45, 145, 44) }
```

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

Here you see how a box with a 4 pixel rgb(45, 145, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 145, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 145, 44);  
box-shadow:4px 4px 4px 4px rgb(45, 145,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6622, 20.9905, 5.8198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 145, 44) }
```

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

```
.background{ background-color: rgb(45, 145,  
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](#).

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