

Converting Colors

XYZ(11.6343, 20.4438, 7.4778)

Have a look what the booklet for
XYZ(11.6343, 20.4438, 7.4778)
contains.

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Color

**XYZ(11.6506, 20.4962,
7.4798)**

Conversions

Conversions Part 1

Format	Color
Hex	2C8F3B
RGB	44, 143, 59
RGB Percent	17%, 56%, 23%
CMY	0.8274, 0.4392, 0.7686
CMYK	0.69, 0.00, 0.59, 0.44
HSL	129°, 53%, 37%
HSV	129°, 69%, 56%
XYZ	11.6506, 20.4962, 7.4798
YIQ	103.8230, -32.0400, -47.1120

Conversions

Conversions Part 2

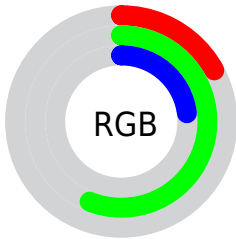
Format	Color
RYB	44, 130, 143
Decimal	2920251
CIELab	52.39, -46.43, 36.01
CIElCh	52, 58.754, 142.202
Yxy	20.4962, 0.2940, 0.5172
Android (android.graphics.Color)	4281110331 (0xFF2C8F3B)
YUV	103.8230, -22.0977, -52.4648
Hunter-Lab	45.2727, -33.2916, 21.8952

Details

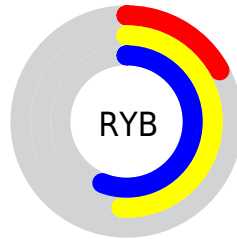
The XYZ color **11.6506, 20.4962, 7.4798** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **16.1252, 9.1998, 21.3482**, and the grayscale version is **13.1746, 13.8607, 15.0943**.

A 20% lighter version of the original color is **28.5479, 44.3759, 21.5288**, and **3.7849, 7.4997, 1.4778** is the 20% darker color. If you saturate the color by 10%, you get **10.8601, 20.1215, 5.9870**, and if you desaturate by 10%, it is **12.7270, 21.0110, 9.3689**.

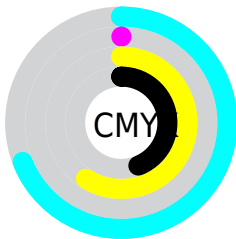
Distribution



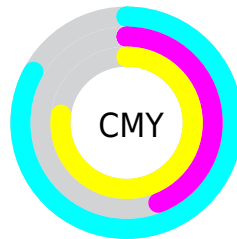
- Red (17%)
- Green (56%)
- Blue (23%)



- Red (17%)
- Yellow (51%)
- Blue (56%)



- Cyan (69%)
- Magenta (0%)
- Yellow (59%)
- Black (44%)



- Cyan (83%)
- Magenta (44%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6506, 20.4962, 7.4798 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 11.6506, 20.4962, 7.4798 by changing the saturation by 10% instead.

■ 11.6506, 20.4962,
7.4798

■ 11.6506, 20.4962,
7.4798

195.8958,
254.5888, 181.3724

■ 6.5767, 12.7562,
3.6810

■ 28.4795, 44.2475,
21.4612

■ 3.2428, 7.2609,
1.4520

■ 40.9653, 61.0277,
32.4809

■ 1.2834, 3.6258,
0.1818

■ 56.6524, 81.5901,
46.7446

■ 0.1708, 1.4665,
0.0000

■ 75.9063, 106.3191,
64.6709

■ 0.0000, 0.2650,
0.0000

■ 99.0922, 135.5991,
86.6782

■ 0.0000, 0.0000,
0.0000

■ 126.5755,

169.8144, 113.1853

158.7216,
209.3495, 144.6105

■ 11.6506, 20.4962,
7.4798

■ 11.6506, 20.4962,
7.4798

■ 10.8601, 20.1215,
5.9870

■ 12.7270, 21.0110,
9.3689

■ 10.3259, 19.8705,
4.8608

■ 14.1122, 21.6754,
11.6782

■ 9.9874, 19.7131,
4.0685

■ 15.8281, 22.5008,
14.4315

■ 9.9645, 19.7024,
4.0202

■ 17.8945, 23.4970,
17.6504

■ 20.3294, 24.6728,
21.3551

■ 23.1499, 26.0365,
25.5645

■ 26.3716, 27.5960,
30.2965

■ 30.0094, 29.3584,
35.5683

■ 34.0777, 31.3309,
41.3962

Harmonies

Analogous

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



15.4028, 20.4962, 3.4885



11.6506, 20.4962, 7.4798



10.0697, 20.4962, 18.0897

Triad

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



11.6506, 20.4962, 7.4798



17.9429, 20.4962, 74.3664



32.3776, 20.4962, 11.9361

Complementary

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



11.6506, 20.4962, 7.4798



16.1252, 9.1998, 21.3482

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.



33.4498, 20.4962, 27.1561



11.6506, 20.4962, 7.4798



24.2221, 20.4962, 69.6408

Square

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



11.6506, 20.4962, 7.4798



13.1788, 20.4962, 60.4154



30.2103, 20.4962, 49.6405



27.5273, 20.4962, 4.9737

Rectangle

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



11.6506, 20.4962, 7.4798



10.1701, 20.4962, 30.1358



30.2103, 20.4962, 49.6405



33.2274, 20.4962, 15.9829

Sweetspot

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



11.6511, 20.4970, 7.4803



35.3819, 43.6888, 36.6972



19.2026, 24.4287, 6.0860



7.8625, 9.8974, 8.0342



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.



11.6511, 20.4970, 7.4803



18.8662, 35.7589, 9.5295



13.5872, 21.2715, 17.6755



5.3741, 6.0419, 5.9361



8.8155, 17.4221, 3.5826



0.0894, 0.1686, 0.0611

Inverse Universe

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



16.1252, 9.1998, 21.3482



27.3806, 14.1069, 35.8071



13.6275, 8.2007, 8.1954



5.5916, 5.4972, 6.6135



13.0914, 6.3936, 16.6645



0.1313, 0.0636, 0.1917

Previews

White Background



This preview shows how the XYZ color 11.6506, 20.4962, 7.4798 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 11.6506, 20.4962, 7.4798 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 11.6506, 20.4962, 7.4798

Background



This preview shows how black text looks on a background with the XYZ color 11.6506, 20.4962, 7.4798.



This preview shows how white text looks on a background with the XYZ color 11.6506, 20.4962,

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

11.6506, 20.4962, 7.4798

Protanopia

18.3315, 20.0756, 6.2770

Deuteranopia

20.4107, 20.0256, 7.9438



Tritanopia

16.1617, 20.3966, 29.8732

Trichromacy



Original Color

11.6506, 20.4962, 7.4798

Protanomaly

14.5148, 19.4515, 6.6039

Deuteranomaly

15.2966, 19.0483, 7.5731

Tritanomaly

13.9074, 20.0983, 19.0660

Monochromacy



Original Color

11.6506, 20.4962, 7.4798

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

11.7196, 15.4553, 11.5980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6506, 20.4962, 7.4798 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(44, 143, 59)` looks like.

```
.text, #text, p{  
    color:rgb(44, 143, 59)  
}
```

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(44, 143, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 143, 59) }
```

Border

The CSS property to change the border of an element to XYZ 11.6506, 20.4962, 7.4798 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(44, 143, 59) }
```


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

```
.border{ border-color:rgb(44, 143, 59) }
```

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

Here you see how a box with a 4 pixel rgb(44, 143, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 143, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 143, 59);  
box-shadow:4px 4px 4px 4px rgb(44, 143,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6506, 20.4962, 7.4798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 143, 59) }
```

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

```
.background{ background-color: rgb(44, 143,  
59) }
```

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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