

Converting Colors

XYZ(11.9656, 23.0603, 4.7401)

Have a look what the booklet for
XYZ(11.9656, 23.0603, 4.7401)
contains.

XYZ(11.9676, 23.0593, 4.7398)	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(11.9676, 23.0593,
4.7398)**

Conversions

Conversions Part 1

Format	Color
Hex	199919
RGB	25, 153, 25
RGB Percent	10%, 60%, 10%
CMY	0.9020, 0.4000, 0.9019
CMYK	0.84, 0.00, 0.84, 0.40
HSL	120°, 72%, 35%
HSV	120°, 84%, 60%
XYZ	11.9676, 23.0593, 4.7398
YIQ	100.1360, -35.2000, -66.9440

Conversions

Conversions Part 2

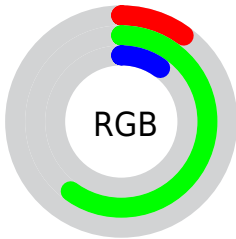
Format	Color
R_{YB}	25, 153, 153
Decimal	1677593
CIE _{Lab}	55.13, -56.00, 52.29
CIE _{LCh}	55, 76.618, 136.964
Yxy	23.0593, 0.3009, 0.5799
Android (android.graphics.Color)	4279867673 (0xFF199919)
YUV	100.1360, -37.0420, -65.8943
Hunter-Lab	48.0201, -39.5493, 27.7619

Details

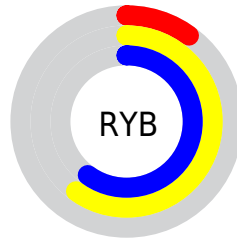
The XYZ color **11.9676, 23.0593, 4.7398** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.2346, 9.7677, 31.0077**, and the grayscale version is **12.2466, 12.8844, 14.0311**.

A 20% lighter version of the original color is **29.1095, 48.6818, 15.6469**, and **4.5572, 9.1143, 1.5191** is the 20% darker color. If you saturate the color by 10%, you get **11.5663, 22.8672, 4.0829**, and if you desaturate by 10%, it is **12.6667, 23.3958, 5.8831**.

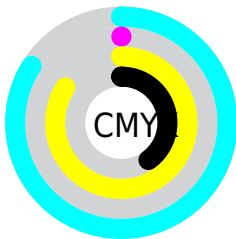
Distribution



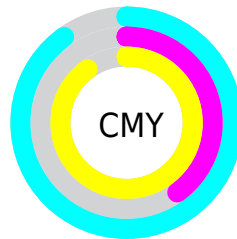
- Red (10%)
- Green (60%)
- Blue (10%)



- Red (10%)
- Yellow (60%)
- Blue (60%)



- Cyan (84%)
- Magenta (0%)
- Yellow (84%)
- Black (40%)



- Cyan (90%)
- Magenta (40%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9676, 23.0593, 4.7398 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 11.9676, 23.0593, 4.7398 by changing the saturation by 10% instead.

■ 11.9676, 23.0593,
4.7398

■ 11.9676, 23.0593,
4.7398

197.9650,
268.0294, 156.1240

■ 6.7937, 14.6373,
2.0394

■ 29.0535, 48.4907,
15.6829

■ 3.3786, 8.5652,
0.5793

■ 41.6961, 66.2688,
24.7627

■ 1.3570, 4.4587,
0.0000

■ 57.5590, 87.9345,
36.8059

■ 0.2253, 1.9333,
0.0000

■ 77.0075, 113.8721,
52.2313

■ 0.0000, 0.5683,
0.0000

■ 100.4070,
144.4660, 71.4572

■ 0.0000, 0.0000,
0.0000

■ 128.1228,

180.1006, 94.9023

160.5204,
221.1603, 122.9850

■ 11.9676, 23.0593,
4.7398

■ 11.9676, 23.0593,
4.7398

■ 11.5663, 22.8672,
4.0829

■ 12.6667, 23.3958,
5.8831

■ 11.3917, 22.7834,
3.7974

■ 13.7046, 23.8944,
7.5807

■ 15.1173, 24.5730,
9.8915

■ 16.9360, 25.4466,
12.8664

■ 19.1887, 26.5287,
16.5511

■ 21.9007, 27.8314,
20.9870

■ 25.0955, 29.3660,
26.2126

■ 28.7949, 31.1430,
32.2636

■ 33.0196, 33.1723,
39.1736

Harmonies

Analogous

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



17.4642, 23.0593, 1.6367



11.9676, 23.0593, 4.7398



9.4907, 23.0593, 15.9192

Triad

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



11.9676, 23.0593, 4.7398



18.4161, 23.0593, 104.5127



41.6884, 23.0593, 13.7285

Complementary

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



11.9676, 23.0593, 4.7398



19.2346, 9.7677, 31.0077

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.



42.1375, 23.0593, 37.2874



11.9676, 23.0593, 4.7398



27.0693, 23.0593, 102.3671

Square

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



11.9676, 23.0593, 4.7398



12.5076, 23.0593, 77.5982



36.2539, 23.0593, 72.8584



35.1513, 23.0593, 4.0281

Rectangle

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



11.9676, 23.0593, 4.7398



9.3188, 23.0593, 31.2563



36.2539, 23.0593, 72.8584



42.6065, 23.0593, 19.8234

Sweetspot

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



11.9681, 23.0603, 4.7403



38.2658, 49.3825, 36.0228



24.7045, 29.6261, 5.3361



8.0961, 10.7344, 7.3762



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



11.9681, 23.0603, 4.7403



20.4005, 40.8009, 6.8004



13.5959, 23.7113, 13.3118



6.1322, 6.9256, 6.6195



9.4147, 18.8293, 3.1384



0.1408, 0.2815, 0.0469

Inverse Universe

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



19.2346, 9.7677, 31.0077



33.8230, 16.2470, 55.3208



15.2883, 8.1892, 10.2265



6.4612, 6.3237, 7.8090



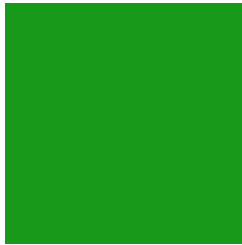
15.6091, 7.4979, 25.5302



0.2334, 0.1121, 0.3817

Previews

White Background



This preview shows how the XYZ color 11.9676, 23.0593, 4.7398 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 11.9676, 23.0593, 4.7398 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 11.9676, 23.0593, 4.7398

Background



This preview shows how black text looks on a background with the XYZ color 11.9676, 23.0593, 4.7398.



This preview shows how white text looks on a background with the XYZ color 11.9676, 23.0593,

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

11.9676, 23.0593, 4.7398

Protanopia

20.4466, 22.5755, 3.8960

Deuteranopia

22.9177, 22.4679, 5.2267



Tritanopia

17.8205, 22.8724, 34.0474

Trichromacy



Original Color

11.9676, 23.0593, 4.7398



Protanomaly

14.9615, 21.4029, 4.0521



Deuteranomaly

15.7774, 20.9600, 4.8042



Tritanomaly

14.3489, 22.3494, 17.4675

Monochromacy



Original Color

11.9676, 23.0593, 4.7398



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

10.5471, 15.0912, 8.6603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9676, 23.0593, 4.7398 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(25, 153, 25)` looks like.

```
.text, #text, p{  
    color:rgb(25, 153, 25)  
}
```

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(25, 153, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 153, 25) }
```

Border

The CSS property to change the border of an element to XYZ 11.9676, 23.0593, 4.7398 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(25, 153, 25) }
```


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

```
.border{ border-color:rgb(25, 153, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 153, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 153, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 153, 25);  
box-shadow:4px 4px 4px 4px rgb(25, 153,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9676, 23.0593, 4.7398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 153, 25) }
```

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

```
.background{ background-color: rgb(25, 153,  
25) }
```

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