

Converting Colors

XYZ(11.4877, 23.0129, 4.9784)

Have a look what the booklet for
XYZ(11.4877, 23.0129, 4.9784)
contains.

XYZ(11.7774, 23.1999, 5.0197)	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(11.7774, 23.1999,
5.0197)**

Conversions

Conversions Part 1

Format	Color
Hex	009A1D
RGB	0, 154, 29
RGB Percent	0%, 60%, 11%
CMY	1.0000, 0.3961, 0.8863
CMYK	1.00, 0.00, 0.81, 0.40
HSL	131°, 100%, 30%
HSV	131°, 100%, 60%
XYZ	11.7774, 23.1999, 5.0197
YIQ	93.7040, -51.6590, -71.5230

Conversions

Conversions Part 2

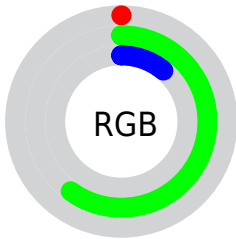
Format	Color
R_{YB}	0, 130, 154
Decimal	39453
CIE _{Lab}	55.28, -57.96, 51.18
CIE _{LCh}	55, 77.321, 138.555
Yxy	23.1999, 0.2945, 0.5800
Android (android.graphics.Color)	4278229533 (0xFF009A1D)
YUV	93.7040, -31.8991, -82.1784
Hunter-Lab	48.1663, -40.6450, 27.5374

Details

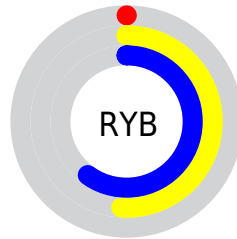
The XYZ color **11.7774, 23.1999, 5.0197** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **17.0287, 8.3511, 20.1169**, and the grayscale version is **10.6518, 11.2066, 12.2039**.

A 20% lighter version of the original color is **28.7667, 48.8571, 16.3017**, and **4.6537, 9.3074, 1.5512** is the 20% darker color. If you saturate the color by 10%, you get **11.7778, 23.2008, 5.0200**, and if you desaturate by 10%, it is **12.1688, 23.3807, 6.0160**.

Distribution



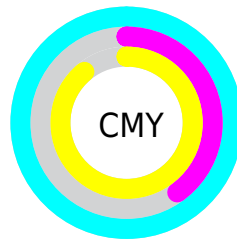
- Red (0%)
- Green (60%)
- Blue (11%)



- Red (0%)
- Yellow (51%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (81%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.7774, 23.1999, 5.0197 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 11.7774, 23.1999, 5.0197 by changing the saturation by 10% instead.


 11.7774, 23.1999,
5.0197

 11.7774, 23.1999,
5.0197


196.7262,
268.7501, 158.9623


 6.6634, 14.7412,
2.1999


 28.7094, 48.7214,
16.3005


 3.2969, 8.6379,
0.6743


 41.2582, 66.5529,
25.5986


 1.3127, 4.5058,
0.0000

 57.0159, 88.2775,
37.8931

 0.1927, 1.9603,
0.0000

 76.3479, 114.2795,
53.6027

 0.0000, 0.5843,
0.0000

 99.6195, 144.9434,
73.1459

 0.0000, 0.0000,
0.0000

 127.1962,

180.6535, 96.9412

159.4433,
221.7943, 125.4072

■ 11.7774, 23.1999,
5.0197

■ 11.7774, 23.1999,
5.0197

■ 11.7778, 23.2008,
5.0200

■ 12.1688, 23.3807,
6.0160

■ 12.7813, 23.6668,
7.3853

■ 13.6904, 24.0971,
9.1624

■ 14.9295, 24.6881,
11.3767

■ 16.5273, 25.4542,
14.0544

■ 18.5094, 26.4080,
17.2200

■ 20.8988, 27.5609,
20.8961

■ 23.7169, 28.9234,
25.1038

■ 26.9835, 30.5055,
29.8632

Harmonies

Analogous

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



17.1659, 23.1999, 1.6599



11.7774, 23.1999, 5.0197



9.4273, 23.1999, 16.9317

Triad

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



11.7774, 23.1999, 5.0197



18.9095, 23.1999, 106.7348



41.8991, 23.1999, 12.9232

Complementary

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



11.7774, 23.1999, 5.0197



17.0287, 8.3511, 20.1169

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.



42.7243, 23.1999, 35.9521



11.7774, 23.1999, 5.0197



27.7843, 23.1999, 102.7846

Square

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



11.7774, 23.1999, 5.0197



12.7648, 23.1999, 80.5077



37.0328, 23.1999, 71.7879



35.0081, 23.1999, 3.7263

Rectangle

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



11.7774, 23.1999, 5.0197



9.3448, 23.1999, 33.0382



37.0328, 23.1999, 71.7879



42.9513, 23.1999, 18.8110

Sweetspot

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



11.7779, 23.2009, 5.0202



37.6788, 49.9275, 37.5273



20.1263, 27.5302, 4.2532



8.1260, 11.1066, 7.8798



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



11.7779, 23.2009, 5.0202



21.3406, 42.1229, 8.8342



14.1181, 24.1369, 17.3432



6.1773, 6.9437, 6.8573



9.6058, 18.9058, 4.1445



0.1539, 0.2868, 0.1162

Inverse Universe

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



17.0287, 8.3511, 20.1169



30.8654, 15.1427, 36.1876



13.8765, 7.0902, 3.5176



6.4113, 6.3037, 7.5461



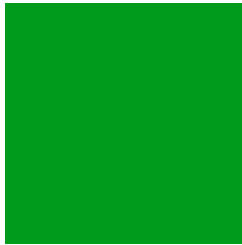
13.8854, 6.8084, 16.4535



0.2190, 0.1064, 0.3062

Previews

White Background



This preview shows how the XYZ color 11.7774, 23.1999, 5.0197 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 11.7774, 23.1999, 5.0197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

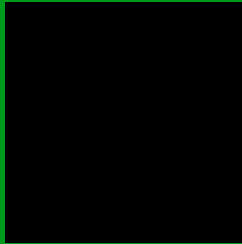
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7774, 23.1999, 5.0197

Background



This preview shows how black text looks on a background with the XYZ color 11.7774, 23.1999, 5.0197.



This preview shows how white text looks on a background with the XYZ color 11.7774, 23.1999,

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

11.7774, 23.1999, 5.0197

Protanopia

20.6187, 22.8603, 4.1364

Deuteranopia

23.2867, 22.8410, 5.4669



Tritanopia

17.8532, 23.1015, 34.5284

Trichromacy



Original Color

11.7774, 23.1999, 5.0197



Protanomaly

14.1696, 21.2060, 4.2661



Deuteranomaly

14.9797, 20.7515, 5.0497



Tritanomaly

14.1085, 22.4430, 18.0563

Monochromacy



Original Color

11.7774, 23.1999, 5.0197



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

9.2144, 13.8936, 7.9904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7774, 23.1999, 5.0197 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(0, 154, 29)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 29)  
}
```

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(0, 154, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 29) }
```

Border

The CSS property to change the border of an element to XYZ 11.7774, 23.1999, 5.0197 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(0, 154, 29) }
```


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

```
.border{ border-color:rgb(0, 154, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 29);  
box-shadow:4px 4px 4px 4px rgb(0, 154, 29)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.7774, 23.1999, 5.0197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 29) }
```

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

```
.background{ background-color: rgb(0, 154,  
29) }
```

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