

Converting Colors

XYZ(11.5144, 22.6487, 4.9673)

Have a look what the booklet for
XYZ(11.5144, 22.6487, 4.9673)
contains.

XYZ(11.4751, 22.5567, 4.9774)	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(11.4751, 22.5567,
4.9774)**

Conversions

Conversions Part 1

Format	Color
Hex	01981E
RGB	1, 152, 30
RGB Percent	0%, 60%, 12%
CMY	0.9961, 0.4039, 0.8823
CMYK	0.99, 0.00, 0.80, 0.40
HSL	132°, 99%, 30%
HSV	132°, 99%, 60%
XYZ	11.4751, 22.5567, 4.9774
YIQ	92.9430, -50.8340, -69.9540

Conversions

Conversions Part 2

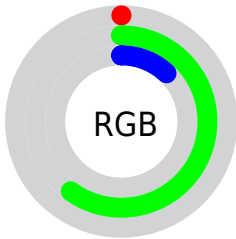
Format	Color
R_{YB}	1, 128, 152
Decimal	104478
CIE _{Lab}	54.61, -57.24, 50.23
CIE _{LCh}	55, 76.161, 138.732
Yxy	22.5567, 0.2942, 0.5782
Android (android.graphics.Color)	4278294558 (0xFF01981E)
YUV	92.9430, -31.0309, -80.6340
Hunter-Lab	47.4939, -39.9866, 27.0321

Details

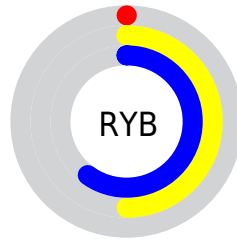
The XYZ color **11.4751, 22.5567, 4.9774** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **16.5352, 8.1273, 19.4348**, and the grayscale version is **10.4703, 11.0155, 11.9959**.

A 20% lighter version of the original color is **28.3154, 47.8915, 16.3459**, and **4.4618, 8.9237, 1.4873** is the 20% darker color. If you saturate the color by 10%, you get **11.4529, 22.5471, 4.9237**, and if you desaturate by 10%, it is **11.8689, 22.7386, 5.9809**.

Distribution



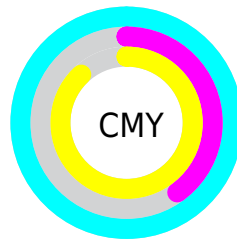
- Red (0%)
- Green (60%)
- Blue (12%)



- Red (0%)
- Yellow (50%)
- Blue (60%)



- Cyan (99%)
- Magenta (0%)
- Yellow (80%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.4751, 22.5567, 4.9774 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 11.4751, 22.5567, 4.9774 by changing the saturation by 10% instead.


 11.4751, 22.5567,
4.9774


 11.4751, 22.5567,
4.9774

194.7404,
265.4399, 158.5381


 6.4570, 14.2665,
2.1755


 28.1607, 47.6644,
16.2077


 3.1682, 8.3063,
0.6602


 40.5588, 65.2507,
25.4731


 1.2433, 4.2915,
0.0000

 56.1477, 86.7045,
37.7301

 0.1402, 1.8379,
0.0000

 75.2926, 112.4102,
53.3973

 0.0000, 0.5107,
0.0000

 98.3590, 142.7522,
72.8931

 0.0000, 0.0000,
0.0000

 125.7122,

178.1149, 96.6362

157.7175,
218.8826, 125.0450

■ 11.4751, 22.5567,
4.9774

■ 11.4751, 22.5567,
4.9774

■ 11.4529, 22.5471,
4.9237

■ 11.8689, 22.7386,
5.9809

■ 12.4851, 23.0267,
7.3468

■ 13.3912, 23.4557,
9.1078

■ 14.6187, 24.0415,
11.2915

■ 16.1953, 24.7976,
13.9229

■ 18.1453, 25.7362,
17.0251

■ 20.4910, 26.8684,
20.6196

■ 23.2528, 28.2041,
24.7265

■ 26.4499, 29.7529,
29.3650

Harmonies

Analogous

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



16.6752, 22.5567, 1.6628



11.4751, 22.5567, 4.9774



9.2121, 22.5567, 16.6099

Triad

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



11.4751, 22.5567, 4.9774



18.4459, 22.5567, 103.1692



40.5784, 22.5567, 12.5328

Complementary

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



11.4751, 22.5567, 4.9774



16.5352, 8.1273, 19.4348

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.



41.4137, 22.5567, 34.7129



11.4751, 22.5567, 4.9774



27.0344, 22.5567, 99.1790

Square

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



11.4751, 22.5567, 4.9774



12.4796, 22.5567, 78.0479



35.9542, 22.5567, 69.2321



33.9034, 22.5567, 3.6524

Rectangle

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



11.4751, 22.5567, 4.9774



9.1418, 22.5567, 32.2432



35.9542, 22.5567, 69.2321



41.6059, 22.5567, 18.2066

Sweetspot

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



11.4756, 22.5576, 4.9779



35.6143, 47.1563, 35.5585



19.5925, 26.7685, 4.1629



7.7183, 10.5363, 7.5086



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.



11.4756, 22.5576, 4.9779



20.1643, 39.7761, 8.4247



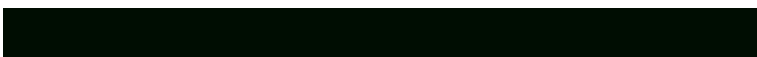
13.7493, 23.4671, 16.9510



6.1782, 6.9440, 6.8621



9.6118, 18.9082, 4.1764



0.1542, 0.2869, 0.1176

Inverse Universe

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



16.5352, 8.1273, 19.4348



29.0823, 14.2732, 33.8561



13.5108, 6.9176, 3.5086



6.4103, 6.3033, 7.5409



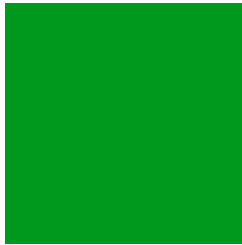
13.8555, 6.7964, 16.2957



0.2188, 0.1063, 0.3048

Previews

White Background



This preview shows how the XYZ color 11.4751, 22.5567, 4.9774 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 11.4751, 22.5567, 4.9774 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 11.4751, 22.5567, 4.9774

Background



This preview shows how black text looks on a background with the XYZ color 11.4751, 22.5567, 4.9774.



This preview shows how white text looks on a background with the XYZ color 11.4751, 22.5567,

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

11.4751, 22.5567, 4.9774

Protanopia

20.0016, 22.1422, 4.0838

Deuteranopia

22.6418, 22.1343, 5.4619



Tritanopia

17.4727, 22.7027, 33.5981

Trichromacy



Original Color

11.4751, 22.5567, 4.9774



Protanomaly

13.7891, 20.5787, 4.2226



Deuteranomaly

14.6002, 20.1397, 5.0373



Tritanomaly

13.8607, 22.0916, 17.7209

Monochromacy



Original Color

11.4751, 22.5567, 4.9774



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

8.9863, 13.4375, 7.9144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4751, 22.5567, 4.9774 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(1, 152, 30)` looks like.

```
.text, #text, p{  
    color:rgb(1, 152, 30)  
}
```

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(1, 152, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 152, 30) }
```

Border

The CSS property to change the border of an element to XYZ 11.4751, 22.5567, 4.9774 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(1, 152, 30) }
```


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

```
.border{ border-color:rgb(1, 152, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 152, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 152, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 152, 30);  
box-shadow:4px 4px 4px 4px rgb(1, 152, 30)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.4751, 22.5567, 4.9774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 152, 30) }
```

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

```
.background{ background-color: rgb(1, 152,  
30) }
```

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