

Converting Colors

XYZ(11.6322, 22.7317, 4.5434)

Have a look what the booklet for
XYZ(11.6322, 22.7317, 4.5434)
contains.

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Color

**XYZ(11.5701, 22.6160,
4.5146)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 0F9816 |
| RGB | 15, 152, 22 |
| RGB Percent | 6%, 60%, 9% |
| CMY | 0.9412, 0.4039, 0.9137 |
| CMYK | 0.90, 0.00, 0.86, 0.40 |
| HSL | 123°, 82%, 33% |
| HSV | 123°, 90%, 60% |
| XYZ | 11.5701, 22.6160, 4.5146 |
| YIQ | 96.2170, -39.9220, -69.4740 |

Conversions

Conversions Part 2

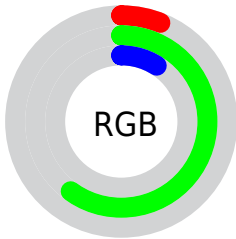
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 15, 145, 152 |
| Decimal | 1021974 |
| CIELab | 54.67, -56.83, 52.63 |
| CIELCh | 55, 77.457, 137.198 |
| Yxy | 22.6160, 0.2990, 0.5844 |
| Android (android.graphics.Color) | 4279212054 (0xFF0F9816) |
| YUV | 96.2170, -36.5890, -71.2273 |
| Hunter-Lab | 47.5563, -39.7957, 27.6609 |

Details

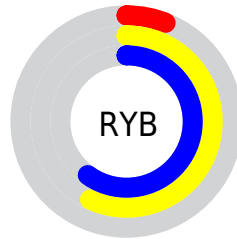
The XYZ color **11.5701, 22.6160, 4.5146** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **18.2309, 9.0616, 27.5751**, and the grayscale version is **11.2649, 11.8515, 12.9063**.

A 20% lighter version of the original color is **28.4814, 48.0034, 15.1616**, and **4.4618, 8.9237, 1.4873** is the 20% darker color. If you saturate the color by 10%, you get **11.2713, 22.4744, 3.9671**, and if you desaturate by 10%, it is **12.0951, 22.8665, 5.4800**.

Distribution



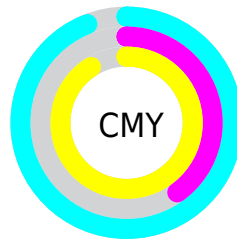
- Red (6%)
- Green (60%)
- Blue (9%)



- Red (6%)
- Yellow (57%)
- Blue (60%)



- Cyan (90%)
- Magenta (0%)
- Yellow (86%)
- Black (40%)



- Cyan (94%)
- Magenta (40%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5701, 22.6160, 4.5146 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 11.5701, 22.6160, 4.5146 by changing the saturation by 10% instead.

■ 11.5701, 22.6160,
4.5146

■ 11.5701, 22.6160,
4.5146

195.3667,
265.7465, 153.7841

■ 6.5218, 14.3102,
1.9117

■ 28.3334, 47.7620,
15.1802

■ 3.2085, 8.3367,
0.5002

■ 40.7790, 65.3711,
24.0800

■ 1.2650, 4.3112,
0.0000

■ 56.4212, 86.8500,
35.9157

■ 0.1568, 1.8491,
0.0000

■ 75.6252, 112.5832,
51.1061


■ 0.0000, 0.5175,
0.0000


■ 98.7564, 142.9550,
70.0696


■ 0.0000, 0.0000,
0.0000


■ 126.1801,


178.3499, 93.2247


 158.2618,
219.1523, 120.9900


 11.5701, 22.6160,
4.5146


 11.5701, 22.6160,
4.5146


 11.2713, 22.4744,
3.9671

 12.0951, 22.8665,
5.4800

 12.9230, 23.2622,
6.9240

 14.0910, 23.8218,
8.8985

 15.6305, 24.5606,
11.4482

 17.5693, 25.4921,
14.6130

■ 19.9327, 26.6284,
18.4293

■ 22.7438, 27.9809,
22.9307

■ 26.0240, 29.5598,
28.1485

■ 29.7934, 31.3749,
34.1119

Harmonies

Analogous

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



17.0030, 22.6160, 1.4919



11.5701, 22.6160, 4.5146



9.1433, 22.6160, 15.6163

Triad

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



11.5701, 22.6160, 4.5146



18.0634, 22.6160, 104.6671



41.2724, 22.6160, 13.1864

Complementary

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



11.5701, 22.6160, 4.5146



18.2309, 9.0616, 27.5751

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.



41.7773, 22.6160, 36.5649



11.5701, 22.6160, 4.5146



26.7176, 22.6160, 102.2399

Square

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



11.5701, 22.6160, 4.5146



12.1686, 22.6160, 77.6470



35.9103, 22.6160, 72.2980



34.6727, 22.6160, 3.7415

Rectangle

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



11.5701, 22.6160, 4.5146



8.9868, 22.6160, 30.9900



35.9103, 22.6160, 72.2980



42.2124, 22.6160, 19.1973

Sweetspot

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



11.5706, 22.6169, 4.5151



36.3968, 47.5843, 34.4795



23.0189, 28.5255, 4.7448



7.9445, 10.6576, 7.3099



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.



11.5706, 22.6169, 4.5151



19.8740, 39.6599, 6.8960



13.2862, 23.3032, 13.5494



6.1443, 6.9305, 6.6834



9.4539, 18.8450, 3.3451



0.1443, 0.2829, 0.0657

Inverse Universe

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



18.2309, 9.0616, 27.5751



31.7520, 15.3411, 47.9147



14.4476, 7.5483, 7.6525



6.4476, 6.3182, 7.7370



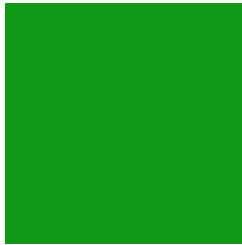
15.0964, 7.2928, 22.8306



0.2293, 0.1105, 0.3602

Previews

White Background



This preview shows how the XYZ color 11.5701, 22.6160, 4.5146 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

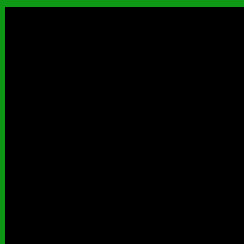
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.5701, 22.6160, 4.5146

Background



This preview shows how black text looks on a background with the XYZ color 11.5701, 22.6160, 4.5146.



This preview shows how white text looks on a background with the XYZ color 11.5701, 22.6160,

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

11.5701, 22.6160, 4.5146

Protanopia

20.1015, 22.2028, 3.6780

Deuteranopia

22.5534, 22.0989, 4.9963



Tritanopia

17.4546, 22.4735, 33.5549

Trichromacy



Original Color

11.5701, 22.6160, 4.5146



Protanomaly

14.3433, 20.8733, 3.8452



Deuteranomaly

15.1063, 20.4112, 4.5824



Tritanomaly

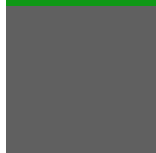
13.8475, 21.8751, 16.8571

Monochromacy



Original Color

11.5701, 22.6160, 4.5146



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

9.6343, 14.1137, 7.8467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5701, 22.6160, 4.5146 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(15, 152, 22)` looks like.

```
.text, #text, p{  
    color:rgb(15, 152, 22)  
}
```

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(15, 152, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 152, 22) }
```

Border

The CSS property to change the border of an element to XYZ 11.5701, 22.6160, 4.5146 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(15, 152, 22) }
```


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

```
.border{ border-color:rgb(15, 152, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 152, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 152, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 152, 22);  
box-shadow:4px 4px 4px 4px rgb(15, 152,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5701, 22.6160, 4.5146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 152, 22) }
```

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

```
.background{ background-color: rgb(15, 152,  
22) }
```

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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