

Converting Colors

XYZ(11.5296, 21.0622, 0.0000)

Have a look what the booklet for
XYZ(11.5296, 21.0622, 0.0000)
contains.

XYZ(12.1753, 21.3076, 3.4711)	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(12.1753, 21.3076,
3.4711)**

Conversions

Conversions Part 1

Format	Color
Hex	3F9100
RGB	63, 145, 0
RGB Percent	25%, 57%, 0%
CMY	0.7529, 0.4314, 1.0000
CMYK	0.57, 0.00, 1.00, 0.43
HSL	94°, 100%, 28%
HSV	94°, 100%, 57%
XYZ	12.1753, 21.3076, 3.4711
YIQ	103.9520, -2.3270, -62.4790

Conversions

Conversions Part 2

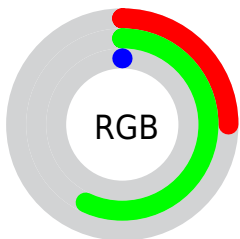
Format	Color
RYB	0, 145, 82
Decimal	4165888
CIELab	53.28, -46.59, 56.04
CIELCh	53, 72.879, 129.740
Yxy	21.3076, 0.3295, 0.5766
Android (android.graphics.Color)	4282355968 (0xFF3F9100)
YUV	103.9520, -51.2483, -35.9149
Hunter-Lab	46.1602, -33.6987, 27.8537

Details

The XYZ color **12.1753, 21.3076, 3.4711** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **8.5923, 3.8392, 27.0775**, and the grayscale version is **13.2794, 13.9710, 15.2144**.

A 20% lighter version of the original color is **29.4434, 45.7190, 12.7417**, and **3.9144, 7.8287, 1.3048** is the 20% darker color. If you saturate the color by 10%, you get **12.1753, 21.3083, 3.4712**, and if you desaturate by 10%, it is **12.8219, 21.6320, 3.9335**.

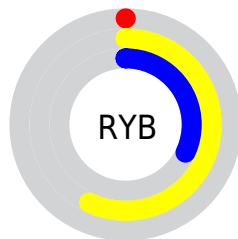
Distribution



Red (25%)

Green (57%)

Blue (0%)



Red (0%)

Yellow (57%)

Blue (32%)

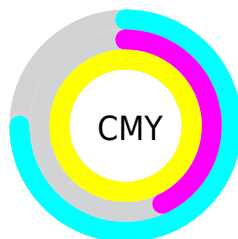


Cyan (57%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (75%)

Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1753, 21.3076, 3.4711 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 12.1753, 21.3076, 3.4711 by changing the saturation by 10% instead.

■ 12.1753, 21.3076,
3.4711

■ 12.1753, 21.3076,
3.4711

199.3087,
258.9087, 142.1516

■ 6.9362, 13.3490,
1.3399

■ 29.4281, 45.5989,
12.7703

■ 3.4682, 7.6693,
0.0942

■ 42.1725, 62.7004,
20.7755

■ 1.4059, 3.8841,
0.0000

■ 58.1494, 83.6184,
31.5757

■ 0.2604, 1.6089,
0.0000

■ 77.7241, 108.7372,
45.5895


■ 0.0000, 0.3636,
0.0000


■ 101.2621,
138.4413, 63.2354


■ 0.0000, 0.0000,
0.0000


■ 129.1286,


173.1149, 84.9321


 161.6890,
213.1426, 111.0979


 12.1753, 21.3076,
3.4711


 12.1753, 21.3076,
3.4711


 12.1753, 21.3083,
3.4712

 12.8219, 21.6320,
3.9335

 13.6057, 22.0200,
4.6964

 14.5584, 22.4853,
5.9079

 15.6932, 23.0335,
7.6236

 17.0219, 23.6697,
9.8907

■ 18.5550, 24.3983,
12.7512

■ 20.3024, 25.2237,
16.2430

■ 22.2729, 26.1495,
20.4009

■ 24.4750, 27.1795,
25.2569

Harmonies

Analogous

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



17.8460, 21.3076, 1.4705



12.1753, 21.3076, 3.4711



9.2842, 21.3076, 11.3841

Triad

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



12.1753, 21.3076, 3.4711



15.5397, 21.3076, 90.1853



38.6617, 21.3076, 16.7324

Complementary

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



12.1753, 21.3076, 3.4711



8.5923, 3.8392, 27.0775

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.



37.5891, 21.3076, 41.2293



12.1753, 21.3076, 3.4711



22.8656, 21.3076, 95.2591

Square

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



12.1753, 21.3076, 3.4711



10.8568, 21.3076, 62.3118



31.2868, 21.3076, 73.5652



33.9265, 21.3076, 5.2652

Rectangle

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



12.1753, 21.3076, 3.4711



8.7495, 21.3076, 23.0084



31.2868, 21.3076, 73.5652



38.9913, 21.3076, 23.3934

Sweetspot

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



12.1758, 21.3085, 3.4716



36.1469, 45.0709, 28.6565



14.5286, 11.7219, 1.4972



7.7723, 9.8996, 5.8296



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.



12.1758, 21.3085, 3.4716



21.6107, 38.0590, 6.2071



10.1658, 20.2677, 3.5848



5.5512, 6.1368, 5.7813



10.4715, 18.2909, 2.9786



0.1246, 0.1875, 0.0296

Inverse Universe

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



8.5923, 3.8392, 27.0775



15.1831, 6.7699, 48.4800



16.2473, 7.8481, 24.6098



5.4031, 5.3960, 6.7855



7.3992, 3.3080, 23.2256



0.0961, 0.0447, 0.2232

Previews

White Background



This preview shows how the XYZ color 12.1753, 21.3076, 3.4711 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 12.1753, 21.3076, 3.4711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

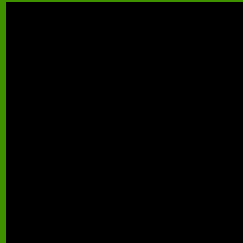
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.1753, 21.3076, 3.4711

Background



This preview shows how black text looks on a background with the XYZ color 12.1753, 21.3076, 3.4711.



This preview shows how white text looks on a background with the XYZ color 12.1753, 21.3076,

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

12.1753, 21.3076, 3.4711

Protanopia

18.9171, 21.0184, 3.0599

Deuteranopia

21.2489, 20.8976, 4.1420



Tritanopia

17.5986, 21.3346, 30.3846

Trichromacy



Original Color

12.1753, 21.3076, 3.4711

Protanomaly

15.4645, 20.6276, 3.1665

Deuteranomaly

16.2800, 20.0326, 3.6247

Tritanomaly

14.2690, 20.8333, 13.6251

Monochromacy



Original Color

12.1753, 21.3076, 3.4711

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

11.7000, 15.7108, 7.5701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1753, 21.3076, 3.4711 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(63, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(63, 145, 0)  
}
```

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(63, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 145, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.1753, 21.3076, 3.4711 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(63, 145, 0) }
```


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

```
.border{ border-color:rgb(63, 145, 0) }
```

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

Here you see how a box with a 4 pixel rgb(63, 145, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(63, 145, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.1753, 21.3076, 3.4711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 145, 0) }
```

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

```
.background{ background-color: rgb(63, 145,  
0) }
```

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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