

Converting Colors

XYZ(11.4329, 6.0090, 53.3813)

Have a look what the booklet for
XYZ(11.4329, 6.0090, 53.3813)
contains.

XYZ(11.4486, 6.0202, 53.3819)	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(11.4486, 6.0202,
53.3819)**

Conversions

Conversions Part 1

Format	Color
Hex	1D2BC5
RGB	29, 43, 197
RGB Percent	11%, 17%, 77%
CMY	0.8862, 0.8314, 0.2274
CMYK	0.85, 0.78, 0.00, 0.23
HSL	235°, 74%, 44%
HSV	235°, 85%, 77%
XYZ	11.4486, 6.0202, 53.3819
YIQ	56.3700, -57.7780, 44.9260

Conversions

Conversions Part 2

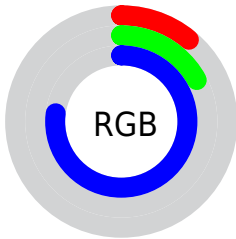
Format	Color
RYB	29, 42, 197
Decimal	1911749
CIELab	29.46, 50.97, -79.32
CIELCh	29, 94.282, 302.724
Yxy	6.0202, 0.1616, 0.0850
Android (android.graphics.Color)	4280101829 (0xFF1D2BC5)
YUV	56.3700, 69.3306, -24.0035
Hunter-Lab	24.5361, 40.3504, -111.8189

Details

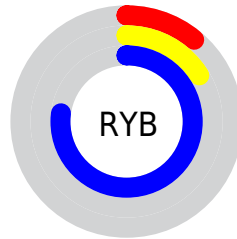
The XYZ color **11.4486, 6.0202, 53.3819** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **40.1858, 45.8347, 7.8925**, and the grayscale version is **3.7259, 3.9200, 4.2689**.

A 20% lighter version of the original color is **28.0978, 17.9534, 96.5922**, and **4.8825, 1.9530, 25.7108** is the 20% darker color. If you saturate the color by 10%, you get **10.5410, 4.7839, 53.1913**, and if you desaturate by 10%, it is **13.0030, 8.0209, 53.6864**.

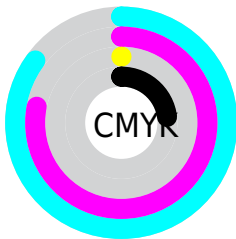
Distribution



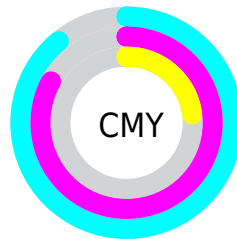
- Red (11%)
- Green (17%)
- Blue (77%)



- Red (11%)
- Yellow (16%)
- Blue (77%)



- Cyan (85%)
- Magenta (78%)
- Yellow (0%)
- Black (23%)



- Cyan (89%)
- Magenta (83%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4486, 6.0202, 53.3819 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 11.4486, 6.0202, 53.3819 by changing the saturation by 10% instead.

■ 11.4486, 6.0202,
53.3819

■ 11.4486, 6.0202,
53.3819

194.5653,
159.2545, 416.8564

■ 6.4389, 2.8574,
37.7179

■ 28.1124, 17.9730,
96.6133

■ 3.1569, 1.0577,
25.4637

■ 40.4973, 27.5318,
125.0179

■ 1.2373, 0.0000,
16.2007

■ 56.0713, 39.9914,
158.5063

■ 0.1355, 0.0000,
9.5104

■ 75.1997, 55.7361,
197.4972

■ 0.0000, 0.0000,
4.9742

■ 98.2480, 75.1503,
242.4091

■ 0.0000, 0.0000,
2.1737

■ 125.5814, 98.6186,

■ 0.0000, 0.0000,

293.6606

0.6591

157.5654,
126.5252, 351.6702

■ 0.0000, 0.0000,
0.0000

■ 11.4486, 6.0202,
53.3819

■ 11.4486, 6.0202,
53.3819

■ 10.5410, 4.7839,
53.1913

■ 13.0030, 8.0209,
53.6864

■ 10.2693, 4.4136,
53.1342

■ 15.2958, 10.8843,
54.1182

■ 18.4050, 14.6942,
54.6897

■ 22.3984, 19.5242,
55.4115

■ 27.3365, 25.4405,
56.2932

■ 33.2746, 32.5040,
57.3436

■ 40.2636, 40.7708,
58.5709

■ 48.3510, 50.2934,
59.9827

■ 57.5814, 61.1213,
61.5862

Harmonies

Analogous

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



6.1235, 6.0202, 69.9352



11.4486, 6.0202, 53.3819



16.6491, 6.0202, 24.4679

Triad

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



11.4486, 6.0202, 53.3819



10.4028, 6.0202, 0.0000



0.8012, 6.0202, 7.7444

Complementary

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



11.4486, 6.0202, 53.3819



40.1858, 45.8347, 7.8925

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.



1.0730, 6.0202, 0.5307



11.4486, 6.0202, 53.3819



5.3385, 6.0202, 0.0000

Square

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



11.4486, 6.0202, 53.3819



15.8620, 6.0202, 0.0000



2.3179, 6.0202, 0.0000



1.2068, 6.0202, 29.4576

Rectangle

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



11.4486, 6.0202, 53.3819



18.4463, 6.0202, 10.0303



2.3179, 6.0202, 0.0000



0.8172, 6.0202, 3.9924

Sweetspot

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



11.4491, 6.0203, 53.3821



58.3022, 56.6810, 102.4754



29.0209, 43.6131, 51.6893



11.6493, 11.1463, 21.7874



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



11.4491, 6.0203, 53.3821



18.3222, 7.7645, 95.1407



15.6646, 7.5641, 53.4579



10.1265, 10.4270, 13.3964



6.7803, 2.9545, 34.9573



0.3461, 0.1900, 1.6636

Inverse Universe

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



23.9018, 12.9244, 3.5201



41.3774, 21.3150, 2.6536



28.9418, 44.5340, 8.2341



10.6691, 10.6510, 11.2408



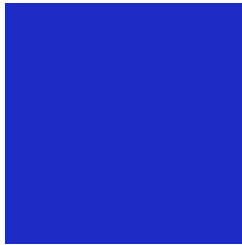
15.2217, 7.8382, 1.1114



0.7334, 0.3762, 0.1193

Previews

White Background



This preview shows how the XYZ color 11.4486, 6.0202, 53.3819 looks on a white background.

Color Contrast Check

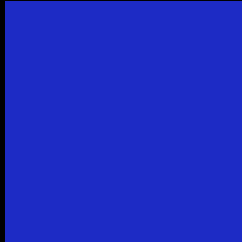
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 11.4486, 6.0202, 53.3819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

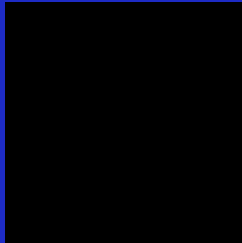
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.4486, 6.0202, 53.3819

Background



This preview shows how black text looks on a background with the XYZ color 11.4486, 6.0202, 53.3819.



This preview shows how white text looks on a background with the XYZ color 11.4486, 6.0202,

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

11.4486, 6.0202, 53.3819

Protanopia

6.7408, 5.9078, 25.5960

Deuteranopia

5.5830, 5.8384, 18.2854



Tritanopia

4.1391, 5.9018, 8.7056

Trichromacy



Original Color

11.4486, 6.0202, 53.3819

Protanomaly

8.0841, 5.6705, 34.3866

Deuteranomaly

7.0732, 5.5152, 28.2955

Tritanomaly

5.6035, 5.2818, 19.4630

Monochromacy



Original Color

11.4486, 6.0202, 53.3819

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

4.9644, 4.0100, 14.4223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4486, 6.0202, 53.3819 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(29, 43, 197)` looks like.

```
.text, #text, p{  
    color:rgb(29, 43, 197)  
}
```

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(29, 43, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 43, 197) }
```

Border

The CSS property to change the border of an element to XYZ 11.4486, 6.0202, 53.3819 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(29, 43, 197) }
```


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

```
.border{ border-color:rgb(29, 43, 197) }
```

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

Here you see how a box with a 4 pixel rgb(29, 43, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 43, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 43, 197);  
box-shadow:4px 4px 4px 4px rgb(29, 43,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 11.4486, 6.0202, 53.3819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 43, 197) }
```

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

```
.background{ background-color: rgb(29, 43,  
197) }
```

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