

Converting Colors

XYZ(12.2304, 18.0511, 11.4315)

Have a look what the booklet for
XYZ(12.2304, 18.0511, 11.4315)
contains.

XYZ(12.1481, 17.9232, 11.4136)	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(12.1481, 17.9232,
11.4136)**

Conversions

Conversions Part 1

Format	Color
Hex	468255
RGB	70, 130, 85
RGB Percent	27%, 51%, 33%
CMY	0.7255, 0.4902, 0.6667
CMYK	0.46, 0.00, 0.35, 0.49
HSL	135°, 30%, 39%
HSV	135°, 46%, 51%
XYZ	12.1481, 17.9232, 11.4136
YIQ	106.9300, -21.3150, -26.7150

Conversions

Conversions Part 2

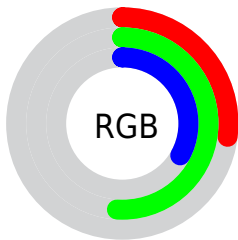
Format	Color
R_{YB}	70, 118, 130
Decimal	4620885
CIE _{Lab}	49.40, -30.05, 18.46
CIE _{LCh}	49, 35.267, 148.433
Yxy	17.9232, 0.2928, 0.4320
Android (android.graphics.Color)	4282810965 (0xFF468255)
YUV	106.9300, -10.8115, -32.3876
Hunter-Lab	42.3358, -22.8677, 13.6507

Details

The XYZ color **12.1481, 17.9232, 11.4136** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.4911, 10.3643, 17.4570**, and the grayscale version is **13.9893, 14.7179, 16.0277**.

A 20% lighter version of the original color is **29.3327, 39.7538, 29.0489**, and **3.4486, 5.9940, 2.8946** is the 20% darker color. If you saturate the color by 10%, you get **10.9490, 17.3472, 9.4731**, and if you desaturate by 10%, it is **13.6046, 18.6267, 13.6456**.

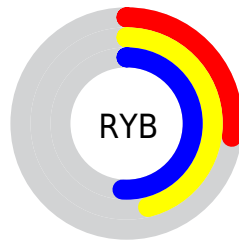
Distribution



Red (27%)

Green (51%)

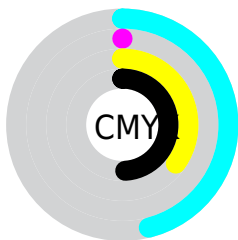
Blue (33%)



Red (27%)

Yellow (46%)

Blue (51%)

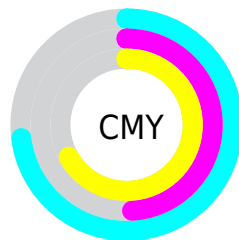


Cyan (46%)

Magenta (0%)

Yellow (35%)

Black (49%)



Cyan (73%)

Magenta (49%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1481, 17.9232, 11.4136 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 12.1481, 17.9232, 11.4136 by changing the saturation by 10% instead.

■ 12.1481, 17.9232,
11.4136

■ 12.1481, 17.9232,
11.4136

199.1332,
240.4378, 211.3218

■ 6.9175, 10.8949,
6.2281

■ 29.3791, 39.9064,
29.0707

■ 3.4565, 5.9962,
2.9132

■ 42.1102, 55.6301,
42.3795

■ 1.3995, 2.8428,
1.0505

■ 58.0722, 75.0210,
59.2330

■ 0.2559, 1.0502,
0.0000

■ 77.6305, 98.4635,
80.0499

■ 0.0000, 0.0000,
0.0000

■ 101.1504,
126.3421, 105.2487

128.9972,

159.0410, 135.2479

161.5364,
196.9448, 170.4661

■ 12.1481, 17.9232,
11.4136

■ 12.1481, 17.9232,
11.4136

■ 10.9490, 17.3472,
9.4731

■ 13.6046, 18.6267,
13.6456

■ 9.9904, 16.8889,
7.8108

■ 15.3312, 19.4625,
16.1793

■ 9.2558, 16.5403,
6.4143


■ 17.3415, 20.4379,
19.0258


■ 8.7256, 16.2918,
5.2696


■ 19.6475, 21.5589,
22.1952


■ 8.3678, 16.1271,
4.3610


■ 22.2608, 22.8313,
25.6974

 8.2505, 16.0729,
4.0700

 25.1922, 24.2605,
29.5415

 28.4521, 25.8515,
33.7367

 32.0503, 27.6094,
38.2915

 35.9962, 29.5387,
43.2142

Harmonies

Analogous

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



14.1691, 17.9232, 7.4361



12.1481, 17.9232, 11.4136



11.4103, 17.9232, 19.0188

Triad

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



12.1481, 17.9232, 11.4136



16.8612, 17.9232, 44.1374



23.2989, 17.9232, 12.0311

Complementary

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



12.1481, 17.9232, 11.4136



14.4911, 10.3643, 17.4570

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.



24.2590, 17.9232, 20.0204



12.1481, 17.9232, 11.4136



20.2645, 17.9232, 40.4513

Square

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



12.1481, 17.9232, 11.4136



13.9029, 17.9232, 39.6426



23.0841, 17.9232, 30.7558



20.6064, 17.9232, 7.7024

Rectangle

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



12.1481, 17.9232, 11.4136



11.6614, 17.9232, 25.8962



23.0841, 17.9232, 30.7558



23.8492, 17.9232, 14.2794

Sweetspot

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



12.1486, 17.9239, 11.4140



31.2448, 36.3344, 34.4867



16.1590, 20.0531, 8.8135



6.9132, 8.1469, 7.5849



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.1486, 17.9239, 11.4140



19.2638, 30.5403, 16.6530



13.6034, 18.5059, 19.0753



4.3167, 4.8350, 4.8392



7.9131, 15.4118, 3.9153



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.4911, 10.3643, 17.4570



23.9017, 15.5395, 28.5919



13.0363, 9.7824, 9.7957



4.4537, 4.3946, 5.1935



10.9211, 5.3881, 11.4404



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.1481, 17.9232, 11.4136 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 × Fail

Black Background



This preview shows how the XYZ color 12.1481, 17.9232, 11.4136 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 12.1481, 17.9232, 11.4136

Background



This preview shows how black text looks on a background with the XYZ color 12.1481, 17.9232, 11.4136.



This preview shows how white text looks on a background with the XYZ color 12.1481, 17.9232,

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

12.1481, 17.9232, 11.4136

Protanopia

16.3768, 17.7227, 9.9548

Deuteranopia

17.9139, 17.6280, 11.9096



Tritanopia

14.9041, 17.8859, 25.2210

Trichromacy



Original Color

12.1481, 17.9232, 11.4136

Protanomaly

14.3886, 17.5773, 10.4190

Deuteranomaly

15.1683, 17.4089, 11.7933

Tritanomaly

13.6738, 17.7604, 19.2304

Monochromacy



Original Color

12.1481, 17.9232, 11.4136

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.9990, 15.5420, 14.1192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1481, 17.9232, 11.4136 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(70, 130, 85)` looks like.

```
.text, #text, p{  
    color:rgb(70, 130, 85)  
}
```

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(70, 130, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 130, 85) }
```

Border

The CSS property to change the border of an element to XYZ 12.1481, 17.9232, 11.4136 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(70, 130, 85) }
```


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

```
.border{ border-color:rgb(70, 130, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 130, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 130, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 130, 85);  
box-shadow:4px 4px 4px 4px rgb(70, 130,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1481, 17.9232, 11.4136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 130, 85) }
```

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

```
.background{ background-color: rgb(70, 130,  
85) }
```

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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