

Converting Colors

XYZ(12.9515, 18.7362, 11.5282)

Have a look what the booklet for
XYZ(12.9515, 18.7362, 11.5282)
contains.

XYZ(12.9515, 18.7362, 11.5282)	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(12.9515, 18.7362,
11.5282)**

Conversions

Conversions Part 1

Format	Color
Hex	4D8455
RGB	77, 132, 85
RGB Percent	30%, 52%, 33%
CMY	0.6980, 0.4823, 0.6667
CMYK	0.42, 0.00, 0.36, 0.48
HSL	129°, 26%, 41%
HSV	129°, 42%, 52%
XYZ	12.9515, 18.7362, 11.5282
YIQ	110.1970, -17.6930, -26.2770

Conversions

Conversions Part 2

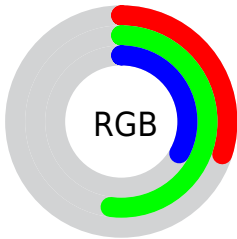
Format	Color
RYB	77, 125, 132
Decimal	5080149
CIELab	50.38, -28.81, 19.83
CIELCh	50, 34.977, 145.467
Yxy	18.7362, 0.2997, 0.4335
Android (android.graphics.Color)	4283270229 (0xFF4D8455)
YUV	110.1970, -12.4221, -29.1138
Hunter-Lab	43.2853, -22.3400, 14.5090

Details

The XYZ color **12.9515, 18.7362, 11.5282** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.8082, 11.6688, 20.4884**, and the grayscale version is **14.9162, 15.6930, 17.0896**.

A 20% lighter version of the original color is **30.7754, 41.1143, 29.2355**, and **3.8095, 6.4007, 2.9541** is the 20% darker color. If you saturate the color by 10%, you get **11.5797, 18.0773, 9.3084**, and if you desaturate by 10%, it is **14.6119, 19.5367, 14.1353**.

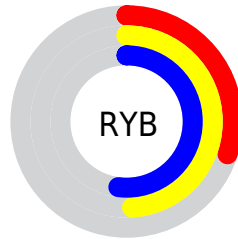
Distribution



Red (30%)

Green (52%)

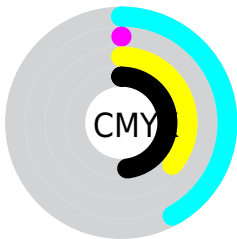
Blue (33%)



Red (30%)

Yellow (49%)

Blue (52%)

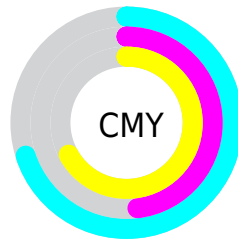


Cyan (42%)

Magenta (0%)

Yellow (36%)

Black (48%)



Cyan (70%)

Magenta (48%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9515, 18.7362, 11.5282 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 12.9515, 18.7362, 11.5282 by changing the saturation by 10% instead.

■ 12.9515, 18.7362,
11.5282

■ 12.9515, 18.7362,
11.5282

204.2505,
244.9885, 212.1222

■ 7.4719, 11.4798,
6.3047

■ 30.8187, 41.2879,
29.2843

■ 3.8079, 6.3905,
2.9594

■ 43.9370, 57.3519,
42.6539

■ 1.5940, 3.0840,
1.0740

■ 60.3323, 77.1207,
59.5760

■ 0.3885, 1.1757,
0.0000

■ 80.3699, 100.9785,
80.4691

■ 0.0000, 0.0418,
0.0000

■ 104.4151,
129.3098, 105.7517

■ 0.0000, 0.0000,
0.0000

132.8334,

162.4990, 135.8424

165.9901,
200.9304, 171.1597

■ 12.9515, 18.7362,
11.5282

■ 12.9515, 18.7362,
11.5282

■ 11.5797, 18.0773,
9.3084

■ 14.6119, 19.5367,
14.1353

■ 10.4785, 17.5494,
7.4563

■ 16.5747, 20.4840,
17.1456

■ 9.6301, 17.1445,
5.9523


■ 18.8545, 21.5857,
20.5756


■ 9.0141, 16.8523,
4.7747


■ 21.4645, 22.8484,
24.4408


■ 8.6065, 16.6612,
3.8991


■ 24.4173, 24.2781,
28.7554

 8.3709, 16.5510,
3.3787

 27.7245, 25.8808,
33.5335

 31.3976, 27.6618,
38.7882

 35.4472, 29.6265,
44.5321

 39.8838, 31.7800,
50.7776

Harmonies

Analogous

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



15.1449, 18.7362, 7.7444



12.9515, 18.7362, 11.5282



12.0587, 18.7362, 18.9577

Triad

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



12.9515, 18.7362, 11.5282



17.2970, 18.7362, 45.3045



24.3795, 18.7362, 13.3683

Complementary

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



12.9515, 18.7362, 11.5282



15.8082, 11.6688, 20.4884

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.



25.1446, 18.7362, 21.9148



12.9515, 18.7362, 11.5282



20.7668, 18.7362, 42.3759

Square

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



12.9515, 18.7362, 11.5282



14.3565, 18.7362, 40.0146



23.7486, 18.7362, 32.9469



21.7731, 18.7362, 8.5456

Rectangle

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



12.9515, 18.7362, 11.5282



12.2261, 18.7362, 25.8064



23.7486, 18.7362, 32.9469



24.8736, 18.7362, 15.8078

Sweetspot

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



12.9520, 18.7370, 11.5286



32.5202, 37.6876, 35.2106



18.0004, 21.3742, 10.1981



7.3833, 8.6836, 7.9160



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.9520, 18.7370, 11.5286



20.5172, 31.8995, 16.5945



14.2277, 19.2473, 18.2464



4.6419, 5.2150, 5.1254



8.1061, 16.0253, 3.2784



0.0297, 0.0562, 0.0199

Inverse Universe

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



15.8082, 11.6688, 20.4884



26.2520, 17.6884, 34.5695



14.3356, 11.0797, 12.7334



4.8295, 4.7515, 5.7147



12.0901, 5.9004, 15.5785



0.0439, 0.0212, 0.0644

Previews

White Background



This preview shows how the XYZ color 12.9515, 18.7362, 11.5282 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 12.9515, 18.7362, 11.5282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

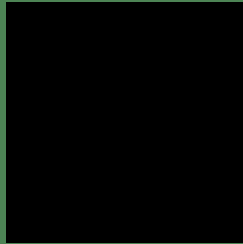
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.9515, 18.7362, 11.5282

Background



This preview shows how black text looks on a background with the XYZ color 12.9515, 18.7362, 11.5282.



This preview shows how white text looks on a background with the XYZ color 12.9515, 18.7362,

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

12.9515, 18.7362, 11.5282

Protanopia

17.0981, 18.4400, 10.2475

Deuteranopia

18.8050, 18.4186, 12.0152



Tritanopia

15.9293, 18.7740, 26.0767

Trichromacy



Original Color

12.9515, 18.7362, 11.5282

Protanomaly

15.1610, 18.3395, 10.7234

Deuteranomaly

16.0700, 18.2309, 11.9044

Tritanomaly

14.5862, 18.6075, 19.6525

Monochromacy



Original Color

12.9515, 18.7362, 11.5282

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.8644, 16.4931, 14.7647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9515, 18.7362, 11.5282 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(77, 132, 85)` looks like.

```
.text, #text, p{  
    color:rgb(77, 132, 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(77, 132, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 132, 85) }
```

Border

The CSS property to change the border of an element to XYZ 12.9515, 18.7362, 11.5282 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(77, 132, 85) }
```


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

```
.border{ border-color:rgb(77, 132, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 132, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 132, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 132, 85);  
box-shadow:4px 4px 4px 4px rgb(77, 132,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9515, 18.7362, 11.5282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 132, 85) }
```

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

```
.background{ background-color: rgb(77, 132,  
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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