

Converting Colors

XYZ(18.3315, 24.2860, 16.2256)

Have a look what the booklet for
XYZ(18.3315, 24.2860, 16.2256)
contains.

XYZ(18.2326, 24.1532, 16.2714)	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(18.2326, 24.1532,
16.2714)**

Conversions

Conversions Part 1

Format	Color
Hex	689166
RGB	104, 145, 102
RGB Percent	41%, 57%, 40%
CMY	0.5922, 0.4314, 0.6000
CMYK	0.28, 0.00, 0.30, 0.43
HSL	117°, 17%, 48%
HSV	117°, 30%, 57%
XYZ	18.2326, 24.1532, 16.2714
YIQ	127.8390, -10.6330, -22.0650

Conversions

Conversions Part 2

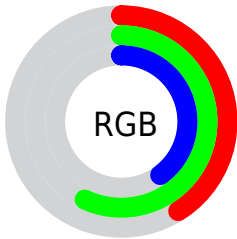
Format	Color
R_{YB}	102, 145, 143
Decimal	6852966
CIE _{Lab}	56.24, -23.02, 18.42
CIE _{LCh}	56, 29.482, 141.334
Yxy	24.1532, 0.3108, 0.4118
Android (android.graphics.Color)	4285043046 (0xFF689166)
YUV	127.8390, -12.7386, -20.9068
Hunter-Lab	49.1459, -19.7838, 14.7722

Details

The XYZ color **18.2326, 24.1532, 16.2714** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.1909, 17.3874, 29.0286**, and the grayscale version is **20.5079, 21.5759, 23.4962**.

A 20% lighter version of the original color is **39.8835, 50.2147, 37.7273**, and **6.2678, 9.0935, 5.0393** is the 20% darker color. If you saturate the color by 10%, you get **16.1002, 23.1306, 12.7406**, and if you desaturate by 10%, it is **20.7553, 25.3639, 20.4782**.

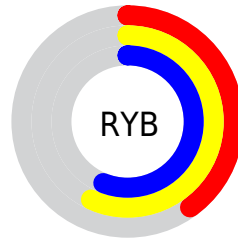
Distribution



Red (41%)

Green (57%)

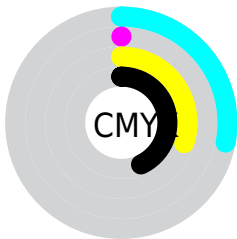
Blue (40%)



Red (40%)

Yellow (57%)

Blue (56%)

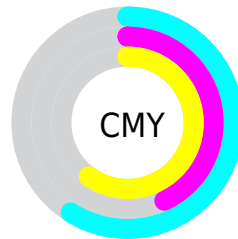


Cyan (28%)

Magenta (0%)

Yellow (30%)

Black (43%)



Cyan (59%)

Magenta (43%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2326, 24.1532, 16.2714 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 18.2326, 24.1532, 16.2714 by changing the saturation by 10% instead.

■ 18.2326, 24.1532,
16.2714

■ 18.2326, 24.1532,
16.2714

235.1992,
273.5941, 242.8381

■ 11.2178, 15.4473,
9.5600

■ 39.9603, 50.2801,
37.8421

■ 6.2819, 9.1339,
5.0064

■ 55.4038, 68.4699,
53.5384

■ 3.0595, 4.8286,
2.1922

■ 74.3877, 90.5897,
73.0667

■ 1.1853, 2.1471,
0.6699

■ 97.2773, 117.0241,
96.8457

■ 0.0947, 0.6909,
0.0000

124.4378,
148.1573, 125.2937

■ 0.0000, 0.0000,
0.0000

156.2347,

184.3738, 158.8294

193.0334,
226.0579, 197.8714

■ 18.2326, 24.1532,
16.2714

■ 18.2326, 24.1532,
16.2714

■ 16.1002, 23.1306,
12.7406

■ 20.7553, 25.3639,
20.4782

■ 14.3368, 22.2837,
9.8490

■ 23.6843, 26.7681,
25.3919

■ 12.9219, 21.6035,
7.5589

■ 27.0372, 28.3750,
31.0435

■ 11.8325, 21.0791,
5.8279

■ 30.8300, 30.1921,
37.4616

■ 11.0426, 20.6981,
4.6082

■ 35.0776, 32.2267,
44.6735

■ 10.5223, 20.4462,
3.8438

■ 39.7946, 34.4855,
52.7049

■ 10.2190, 20.2995,
3.3939

■ 44.9947, 36.9752,
61.5805

■ 10.2103, 20.2953,
3.3792

■ 50.6911, 39.7020,
71.3238

■ 56.8965, 42.6720,
81.9577

Harmonies

Analogous

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



20.6654, 24.1532, 12.4569



18.2326, 24.1532, 16.2714



17.0951, 24.1532, 23.5840

Triad

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



18.2326, 24.1532, 16.2714



21.9883, 24.1532, 49.4175



29.5823, 24.1532, 20.0730

Complementary

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



18.2326, 24.1532, 16.2714



21.1909, 17.3874, 29.0286

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.



30.0254, 24.1532, 29.2142



18.2326, 24.1532, 16.2714



25.4118, 24.1532, 47.8113

Square

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



18.2326, 24.1532, 16.2714



19.1191, 24.1532, 43.7411



28.4340, 24.1532, 39.7771



27.2767, 24.1532, 14.2462

Rectangle

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



18.2326, 24.1532, 16.2714



17.1385, 24.1532, 30.1422



28.4340, 24.1532, 39.7771



29.9624, 24.1532, 22.7967

Sweetspot

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



18.2332, 24.1542, 16.2719



42.6770, 48.0620, 45.9150



23.8764, 26.5802, 16.4428



9.3299, 10.6133, 9.9385



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.



18.2332, 24.1542, 16.2719



29.8717, 41.9207, 24.5318



19.0784, 24.4658, 21.9194



5.3647, 6.0406, 5.7726



8.7636, 17.4104, 2.8987



0.0875, 0.1684, 0.0279

Inverse Universe

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



21.1909, 17.3874, 29.0286



36.1004, 27.6613, 51.4100



20.1726, 17.0204, 21.8433



5.6018, 5.4984, 6.7948



13.4167, 6.4101, 23.5072



0.1332, 0.0638, 0.2250

Previews

White Background



This preview shows how the XYZ color 18.2326, 24.1532, 16.2714 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 18.2326, 24.1532, 16.2714 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 18.2326, 24.1532, 16.2714

Background



This preview shows how black text looks on a background with the XYZ color 18.2326, 24.1532, 16.2714.



This preview shows how white text looks on a background with the XYZ color 18.2326, 24.1532,

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

18.2326, 24.1532, 16.2714

Protanopia

22.3598, 23.9330, 14.7503

Deuteranopia

24.3047, 23.8885, 16.6946



Tritanopia

21.5477, 24.1780, 32.3853

Trichromacy



Original Color

18.2326, 24.1532, 16.2714

Protanomaly

20.5465, 23.8236, 15.3199

Deuteranomaly

21.6439, 23.7307, 16.5364

Tritanomaly

20.1889, 24.0582, 25.7699

Monochromacy



Original Color

18.2326, 24.1532, 16.2714

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.4626, 22.3040, 20.7321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2326, 24.1532, 16.2714 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(104, 145, 102)` looks like.

```
.text, #text, p{  
    color:rgb(104, 145, 102)  
}
```

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(104, 145, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 145, 102) }
```

Border

The CSS property to change the border of an element to XYZ 18.2326, 24.1532, 16.2714 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(104, 145, 102) }
```


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

```
.border{ border-color:rgb(104, 145, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 145, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 145, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 145, 102);  
box-shadow:4px 4px 4px 4px rgb(104, 145,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2326, 24.1532, 16.2714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 145, 102) }
```

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

```
.background{ background-color: rgb(104,  
145, 102) }
```

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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