

Converting Colors

XYZ(17.8340, 24.1486, 16.1945)

Have a look what the booklet for
XYZ(17.8340, 24.1486, 16.1945)
contains.

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Color

**XYZ(17.8227, 24.1697,
16.2962)**

Conversions

Conversions Part 1

Format	Color
Hex	639266
RGB	99, 146, 102
RGB Percent	39%, 57%, 40%
CMY	0.6118, 0.4274, 0.6000
CMYK	0.32, 0.00, 0.30, 0.43
HSL	124°, 19%, 48%
HSV	124°, 32%, 57%
XYZ	17.8227, 24.1697, 16.2962
YIQ	126.9310, -13.8880, -23.6480

Conversions

Conversions Part 2

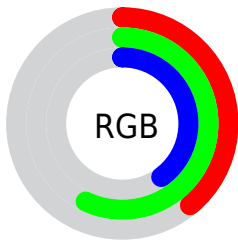
Format	Color
R _Y B	99, 143, 146
Decimal	6525542
CIE Lab	56.26, -25.27, 18.39
CIE LCh	56, 31.254, 143.946
Yxy	24.1697, 0.3058, 0.4147
Android (android.graphics.Color)	4284715622 (0xFF639266)
YUV	126.9310, -12.2910, -24.4955
Hunter-Lab	49.1627, -21.3240, 14.7607

Details

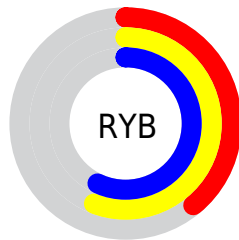
The XYZ color **17.8227, 24.1697, 16.2962** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.2746, 17.0183, 28.1510**, and the grayscale version is **20.1938, 21.2455, 23.1364**.

A 20% lighter version of the original color is **39.1665, 50.1878, 37.7599**, and **6.0972, 9.1384, 5.0570** is the 20% darker color. If you saturate the color by 10%, you get **15.7467, 23.1722, 12.9478**, and if you desaturate by 10%, it is **20.3001, 25.3627, 20.2479**.

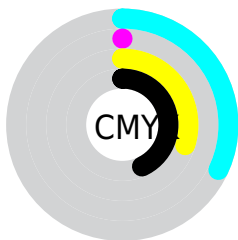
Distribution



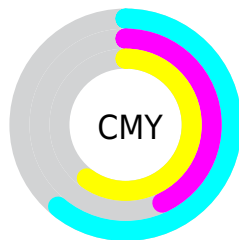
- Red (39%)
- Green (57%)
- Blue (40%)



- Red (39%)
- Yellow (56%)
- Blue (57%)



- Cyan (32%)
- Magenta (0%)
- Yellow (30%)
- Black (43%)



- Cyan (61%)
- Magenta (43%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8227, 24.1697, 16.2962 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 17.8227, 24.1697, 16.2962 by changing the saturation by 10% instead.

■ 17.8227, 24.1697,
16.2962

■ 17.8227, 24.1697,
16.2962

232.9347,
273.6773, 242.9883

■ 10.9217, 15.4596,
9.5774

■ 39.2674, 50.3070,
37.8856

■ 6.0811, 9.1425,
5.0177

■ 54.5419, 68.5029,
53.5932

■ 2.9356, 4.8343,
2.1987

■ 73.3381, 90.6296,
73.1342

■ 1.1198, 2.1504,
0.6736

■ 96.0216, 117.0713,
96.9271

■ 0.0416, 0.6927,
0.0000

122.9577,
148.2126, 125.3904

■ 0.0000, 0.0000,
0.0000

154.5116,

184.4377, 158.9427

191.0489,
226.1312, 198.0025

■ 17.8227, 24.1697,
16.2962

■ 17.8227, 24.1697,
16.2962

■ 15.7467, 23.1722,
12.9478

■ 20.3001, 25.3627,
20.2479

■ 14.0493, 22.3568,
10.1715

■ 23.1966, 26.7575,
24.8288

■ 12.7081, 21.7135,
7.9358

■ 26.5310, 28.3640,
30.0653

■ 11.6976, 21.2298,
6.2055

■ 30.3205, 30.1905,
35.9818

■ 10.9892, 20.8919,
4.9412

■ 34.5811, 32.2448,
42.6013

■ 10.5489, 20.6831,
4.0977

■ 39.3285, 34.5345,
49.9460

■ 10.3304, 20.5791,
3.6954

■ 44.5772, 37.0667,
58.0369

■ 50.3414, 39.8482,
66.8942

■ 56.6346, 42.8855,
76.5374

Harmonies

Analogous

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



20.2783, 24.1697, 12.0482



17.8227, 24.1697, 16.2962



16.7588, 24.1697, 24.2827

Triad

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



17.8227, 24.1697, 16.2962



22.2509, 24.1697, 51.3349



29.8905, 24.1697, 19.0684

Complementary

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



17.8227, 24.1697, 16.2962



21.2746, 17.0183, 28.1510

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.



30.5589, 24.1697, 28.4612



17.8227, 24.1697, 16.2962



25.8955, 24.1697, 48.8858

Square

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



17.8227, 24.1697, 16.2962



19.1380, 24.1697, 45.7969



29.0297, 24.1697, 39.7795



27.2880, 24.1697, 13.3321

Rectangle

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



17.8227, 24.1697, 16.2962



16.8931, 24.1697, 31.3848



29.0297, 24.1697, 39.7795



30.3594, 24.1697, 21.8259

Sweetspot

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



17.8233, 24.1707, 16.2967



42.0280, 47.7350, 45.5441



23.9726, 27.3577, 15.8216



9.1941, 10.5443, 9.8871



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.



17.8233, 24.1707, 16.2967



28.5958, 41.2697, 24.1662



19.1172, 24.6883, 23.1102



5.7437, 6.4741, 6.2614



9.0937, 18.1103, 3.2688



0.1143, 0.2229, 0.0557

Inverse Universe

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



21.2746, 17.0183, 28.1510



35.7067, 26.5271, 48.5865



19.7159, 16.3948, 19.9429



6.0195, 5.9029, 7.2088



14.3880, 6.9603, 21.3222



0.1800, 0.0867, 0.2815

Previews

White Background



This preview shows how the XYZ color 17.8227, 24.1697, 16.2962 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 17.8227, 24.1697, 16.2962 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 17.8227, 24.1697, 16.2962

Background



This preview shows how black text looks on a background with the XYZ color 17.8227, 24.1697, 16.2962.



This preview shows how white text looks on a background with the XYZ color 17.8227, 24.1697,

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

17.8227, 24.1697, 16.2962

Protanopia

22.3598, 23.9330, 14.7503

Deuteranopia

24.3564, 23.9092, 16.9669



Tritanopia

21.1483, 24.1787, 32.8305

Trichromacy



Original Color

17.8227, 24.1697, 16.2962

Protanomaly

20.2427, 23.6670, 15.3057

Deuteranomaly

21.3671, 23.5821, 16.7902

Tritanomaly

19.7323, 24.0427, 25.7910

Monochromacy



Original Color

17.8227, 24.1697, 16.2962

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.1312, 22.1401, 20.4047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8227, 24.1697, 16.2962 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(99, 146, 102)` looks like.

```
.text, #text, p{  
    color:rgb(99, 146, 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(99, 146, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 146, 102) }
```

Border

The CSS property to change the border of an element to XYZ 17.8227, 24.1697, 16.2962 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(99, 146, 102) }
```


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

```
.border{ border-color:rgb(99, 146, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 146, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 146, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 146, 102);  
box-shadow:4px 4px 4px 4px rgb(99, 146,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8227, 24.1697, 16.2962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 146, 102) }
```

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

```
.background{ background-color: rgb(99, 146,  
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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