Converting Colors

XYZ(16.6796, 18.0638, 26.6147)

Have a look what the booklet for XYZ(16.6796, 18.0638, 26.6147) contains.

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Color

XYZ(16.6707, 18.0346, 26.6471)

Conversions

Conversions Part 1

Format	Color
Hex	65788A
RGB	101, 120, 138
RGB Percent	40%, 47%, 54%
CMY	0.6039, 0.5294, 0.4588
CMYK	0.27, 0.13, 0.00, 0.46
HSL	209°, 15%, 47%
HSV	209°, 27%, 54%
XYZ	16.6707, 18.0346, 26.6471
YIQ	116.3710, -17.1020, 1.5700

Conversions

Conversions Part 2

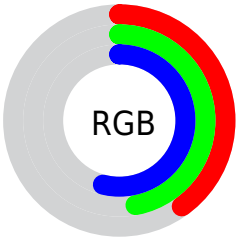
Format	Color
RYB	101, 114, 138
Decimal	6649994
CIELab	49.54, -2.61, -12.10
CIELCh	50, 12.382, 257.834
Yxy	18.0346, 0.2717, 0.2940
Android (android.graphics.Color)	4284840074 (0xFF65788A)
YUV	116.3710, 10.6631, -13.4804
Hunter-Lab	42.4672, -4.2465, -7.4760

Details

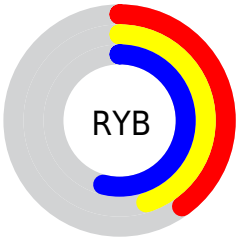
The XYZ color 16.6707, 18.0346, 26.6471 is a dark color, and the websafe version is hex 666666. A complement of this color would be 19.4272, 19.5365, 15.0593, and the grayscale version is 16.6868, 17.5558, 19.1182.

A 20% lighter version of the original color is 37.2934, 40.0389, 55.0529, and 5.5470, 6.0962, 10.1168 is the 20% darker color. If you saturate the color by 10%, you get 14.4743, 15.7459, 26.3214, and if you desaturate by 10%, it is 19.1843, 20.5718, 27.0046.

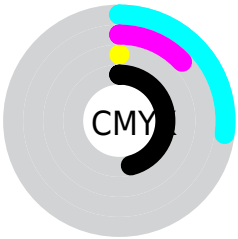
Distribution



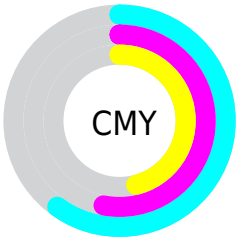
- Red (40%)
- Green (47%)
- Blue (54%)



- Red (40%)
- Yellow (45%)
- Blue (54%)



- Cyan (27%)
- Magenta (13%)
- Yellow (0%)
- Black (46%)



- Cyan (60%)
- Magenta (53%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6707, 18.0346, 26.6471 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 16.6707, 18.0346, 26.6471 by changing the saturation by 10% instead.

16.6707, 18.0346, 26.6471

226.4609, 241.0660, 299.6503

37.3068, 40.0963, 55.3139

52.0968, 55.8670, 75.2489

70.3552, 75.3101, 99.4765

92.4474, 98.8100, 128.4150

118.7387, 126.7512, 162.4831

149.5945,

16.6707, 18.0346, 26.6471

10.0938, 10.9748, 17.0783

5.5240, 6.0499, 10.1278

2.5957, 2.8755, 5.3770

0.9438, 1.0671, 2.4076

0.0000, 0.0000, 0.7906

0.0000, 0.0000, 0.0000

159.5180, 202.0994

185.3801, 197.4948, 247.6822

16.6707, 18.0346, 26.6471

14.4743, 15.7459, 26.3214

12.5793, 13.6945, 26.0253

10.9711, 11.8715, 25.7582

9.6328, 10.2664, 25.5189

8.5460, 8.8677, 25.3062

16.6707, 18.0346, 26.6471

19.1843, 20.5718, 27.0046

22.0267, 23.3636, 27.3937

25.2106, 26.4189, 27.8156

28.7480, 29.7453, 28.2712

32.6498, 33.3499, 28.7614

7.6892, 7.6626, 25.1188

7.0259, 6.6300, 24.9544

6.8325, 6.3250, 24.9058

36.9267, 37.2399, 29.2868

41.5889, 41.4218, 29.8483

46.6462, 45.9022, 30.4465

52.1080, 50.6872, 31.0822

Harmonies

Analogous

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

15.6723, 18.0346, 24.8205

16.6707, 18.0346, 26.6471

17.8410, 18.0346, 26.4451

Triad

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

16.6707, 18.0346, 26.6471

19.3778, 18.0346, 17.7252

15.5243, 18.0346, 15.6142

Complementary

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

16.6707, 18.0346, 26.6471

19.4272, 19.5365, 15.0593

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.

16.4602, 18.0346, 14.1102

16.6707, 18.0346, 26.6471

18.6994, 18.0346, 15.2300

Square

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

16.6707, 18.0346, 26.6471

19.4405, 18.0346, 21.0287

17.6208, 18.0346, 13.9781

15.0310, 18.0346, 18.3074

Rectangle

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

16.6707, 18.0346, 26.6471

18.5614, 18.0346, 25.1890

17.6208, 18.0346, 13.9781

15.7956, 18.0346, 14.9667

Sweetspot

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

16.6713, 18.0353, 26.6475

38.1092, 40.4858, 48.1891

17.7784, 22.2731, 20.7785

8.3908, 8.9277, 10.7873

65.7814, 69.2071, 75.3665

9.5508, 10.0482, 10.9424

Same Dimension

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

16.6713, 18.0353, 26.6475

27.0454, 29.3682, 46.6264

14.6684, 14.0296, 25.9799

4.9731, 5.2892, 6.3646

6.2790, 5.8284, 22.8397

0.0564, 0.0680, 0.1566

Inverse Universe

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

18.5255, 16.0671, 19.8950

30.9214, 25.5166, 32.4520

21.8307, 24.3436, 15.8605

5.1330, 5.0887, 5.7891

10.6562, 5.3726, 5.9598

0.0782, 0.0386, 0.0785

Previews

White Background

This preview shows how the XYZ color 16.6707, 18.0346, 26.6471 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 16.6707, 18.0346, 26.6471 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 16.6707, 18.0346, 26.6471

Background

This preview shows how black text looks on a background with the XYZ color 16.6707, 18.0346, 26.6471.

This preview shows how white text looks on a background with the XYZ color 16.6707, 18.0346,

26.6471.

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
16.6707, 18.0346, 26.6471

Protanopia
17.7447, 18.0776, 25.8466

Deuteranopia
18.2621, 17.9771, 26.9335

Tritanopia
16.1896, 18.0228, 24.0982

Trichromacy

Original Color
16.6707, 18.0346, 26.6471

Protanomaly
17.3005, 18.0142, 26.2322

Deuteranomaly
17.7036, 18.0314, 26.9734

Tritanomaly
16.3960, 18.1053, 25.1848

Monochromacy

Original Color
16.6707, 18.0346, 26.6471

Achromatopsia
16.6002, 17.4647, 19.0191

Achromatomaly
16.5549, 17.5573, 21.5851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6707, 18.0346, 26.6471 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(101, 120, 138) looks like.

```
.text, #text, p{
    color:rgb(101, 120, 138)
}
```

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(101, 120, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 120, 138) }
```

Border

The CSS property to change the border of an element to XYZ 16.6707, 18.0346, 26.6471 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(101, 120, 138) }
```

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

```
.border{ border-color:rgb(101, 120, 138) }
```

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

Here you see how a box with a 4 pixel rgb(101, 120, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 120, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 120, 138); box-shadow:4px 4px 4px 4px rgb(101, 120, 138) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6707, 18.0346, 26.6471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(101, 120, 138) }
```

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

```
.background{ background-color:rgb(101, 120, 138) }
```

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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