

Converting Colors

XYZ(16.8309, 17.8577, 23.6508)

Have a look what the booklet for
XYZ(16.8309, 17.8577, 23.6508)
contains.

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Color

**XYZ(16.8144, 17.8198,
23.6724)**

Conversions

Conversions Part 1

Format	Color
Hex	6D7682
RGB	109, 118, 130
RGB Percent	43%, 46%, 51%
CMY	0.5725, 0.5372, 0.4902
CMYK	0.16, 0.09, 0.00, 0.49
HSL	214°, 9%, 47%
HSV	214°, 16%, 51%
XYZ	16.8144, 17.8198, 23.6724
YIQ	116.6770, -9.2160, 1.8240

Conversions

Conversions Part 2

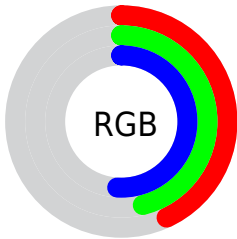
Format	Color
R _Y B	109, 115, 130
Decimal	7173762
CIE Lab	49.28, -0.68, -7.71
CIE LCh	49, 7.745, 264.951
Yxy	17.8198, 0.2884, 0.3056
Android (android.graphics.Color)	4285363842 (0xFF6D7682)
YUV	116.6770, 6.5682, -6.7327
Hunter-Lab	42.2135, -2.7739, -3.6991

Details

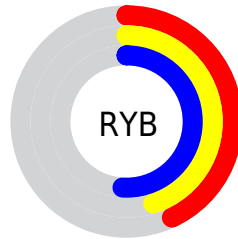
The XYZ color **16.8144, 17.8198, 23.6724** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.8037, 19.5247, 17.2460**, and the grayscale version is **16.7915, 17.6660, 19.2382**.

A 20% lighter version of the original color is **37.6199, 39.7454, 50.4886**, and **5.5998, 5.9665, 8.6411** is the 20% darker color. If you saturate the color by 10%, you get **14.4915, 15.3750, 23.3232**, and if you desaturate by 10%, it is **19.4438, 20.5259, 24.0564**.

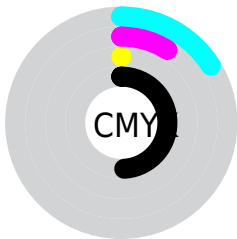
Distribution



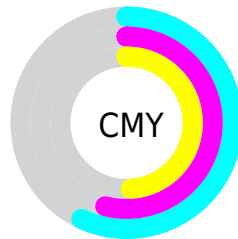
- Red (43%)
- Green (46%)
- Blue (51%)



- Red (43%)
- Yellow (45%)
- Blue (51%)



- Cyan (16%)
- Magenta (9%)
- Yellow (0%)
- Black (49%)



- Cyan (57%)
- Magenta (54%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8144, 17.8198, 23.6724 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 16.8144, 17.8198, 23.6724 by changing the saturation by 10% instead.

■ 16.8144, 17.8198,
23.6724

■ 16.8144, 17.8198,
23.6724

227.2777,
239.8534, 284.3931

■ 10.1967, 10.8207,
14.8808

■ 37.5525, 39.7300,
50.4322

■ 5.5929, 5.9464,
8.5901

■ 52.4037, 55.4099,
69.2375

■ 2.6374, 2.8125,
4.3817

■ 70.7301, 74.7522,
92.2178

■ 0.9651, 1.0346,
1.8370

■ 92.8971, 98.1413,
119.7916

■ 0.0000, 0.0000,
0.4522

119.2699,
125.9616, 152.3775

■ 0.0000, 0.0000,
0.0000

150.2141,

158.5974, 190.3940

186.0949,
196.4332, 234.2597

■ 16.8144, 17.8198,
23.6724

■ 16.8144, 17.8198,
23.6724

■ 14.4915, 15.3750,
23.3232

■ 19.4438, 20.5259,
24.0564

■ 12.4616, 13.1806,
23.0066

■ 22.3894, 23.4990,
24.4750

■ 10.7125, 11.2285,
22.7220

■ 25.6623, 26.7476,
24.9296

■ 9.2305, 9.5091,
22.4683

■ 29.2726, 30.2790,
25.4209

■ 8.0004, 8.0119,
22.2441

■ 33.2301, 34.1003,
25.9499

■ 7.0058, 6.7257,
22.0483

■ 37.5441, 38.2183,
26.5174

■ 6.2275, 5.6378,
21.8793

■ 42.2233, 42.6395,
27.1242

■ 5.6344, 4.7290,
21.7352

■ 47.2766, 47.3703,
27.7710

■ 5.4301, 4.4134,
21.6850

■ 52.7120, 52.4168,
28.4586

Harmonies

Analogous

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



16.1466, 17.8198, 22.8701



16.8144, 17.8198, 23.6724



17.5341, 17.8198, 23.2657

Triad

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



16.8144, 17.8198, 23.6724



18.2372, 17.8198, 17.7616



15.8178, 17.8198, 17.1922

Complementary

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



16.8144, 17.8198, 23.6724



18.8037, 19.5247, 17.2460

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.



16.3540, 17.8198, 15.9930



16.8144, 17.8198, 23.6724



17.7531, 17.8198, 16.3049

Square

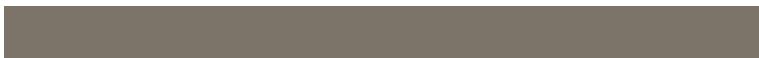
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.8144, 17.8198, 23.6724



18.3689, 17.8198, 19.7574



17.0606, 17.8198, 15.6801



15.5819, 17.8198, 19.0524

Rectangle

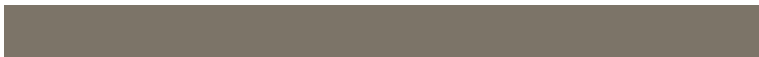
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16.8144, 17.8198, 23.6724



17.9446, 17.8198, 22.3777



17.0606, 17.8198, 15.6801



15.9682, 17.8198, 16.7038

Sweetspot

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



16.8149, 17.8205, 23.6728



34.7548, 36.6695, 42.4386



17.7347, 20.5948, 21.0978



7.8012, 8.2334, 9.5964



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.



16.8149, 17.8205, 23.6728



28.2128, 29.9219, 41.4810



15.9786, 15.8902, 23.3443



4.2486, 4.4912, 5.4562



5.2132, 4.2448, 20.7945



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.9450, 16.9916, 19.4743



30.5695, 28.2602, 32.7103



19.7359, 21.7055, 17.6178



4.3983, 4.3725, 4.9020



9.5083, 4.8230, 4.0006



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.8144, 17.8198, 23.6724 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 16.8144, 17.8198, 23.6724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

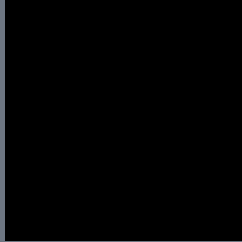
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

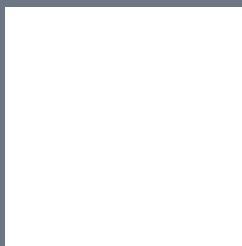
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8144, 17.8198, 23.6724

Background



This preview shows how black text looks on a background with the XYZ color 16.8144, 17.8198, 23.6724.



This preview shows how white text looks on a background with the XYZ color 16.8144, 17.8198,

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

16.8144, 17.8198, 23.6724

Protanopia

17.4103, 17.7888, 23.2848

Deuteranopia

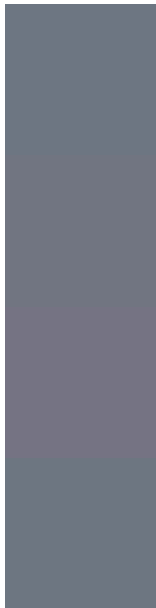
18.1401, 17.8109, 23.9545



Tritanopia

16.6814, 17.7666, 22.9722

Trichromacy



Original Color

16.8144, 17.8198, 23.6724

Protanomaly

17.1338, 17.8183, 23.3051

Deuteranomaly

17.5636, 17.6821, 23.9600

Tritanomaly

16.7476, 17.7931, 23.3206

Monochromacy



Original Color

16.8144, 17.8198, 23.6724

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.8136, 17.7051, 20.9436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8144, 17.8198, 23.6724 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(109, 118, 130)` looks like.

```
.text, #text, p{  
    color:rgb(109, 118, 130)  
}
```

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(109, 118, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 118, 130) }
```

Border

The CSS property to change the border of an element to XYZ 16.8144, 17.8198, 23.6724 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(109, 118, 130) }
```


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

```
.border{ border-color:rgb(109, 118, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 118, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 118, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 118, 130);  
box-shadow:4px 4px 4px 4px rgb(109, 118,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8144, 17.8198, 23.6724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 118, 130) }
```

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

```
.background{ background-color: rgb(109,  
118, 130) }
```

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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