

Converting Colors

XYZ(17.4547, 18.5275, 22.9061)

Have a look what the booklet for
XYZ(17.4547, 18.5275, 22.9061)
contains.

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Color

**XYZ(17.4228, 18.5022,
23.0751)**

Conversions

Conversions Part 1

Format	Color
Hex	717880
RGB	113, 120, 128
RGB Percent	44%, 47%, 50%
CMY	0.5569, 0.5294, 0.4980
CMYK	0.12, 0.06, 0.00, 0.50
HSL	212°, 6%, 47%
HSV	212°, 12%, 50%
XYZ	17.4228, 18.5022, 23.0751
YIQ	118.8190, -6.7400, 1.0040

Conversions

Conversions Part 2

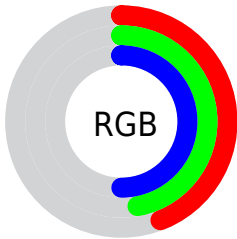
Format	Color
R_{YB}	113, 118, 128
Decimal	7436416
CIE Lab	50.10, -0.88, -5.28
CIE LCh	50, 5.349, 260.499
Yxy	18.5022, 0.2953, 0.3136
Android (android.graphics.Color)	4285626496 (0xFF717880)
YUV	118.8190, 4.5262, -5.1033
Hunter-Lab	43.0142, -2.9738, -1.6964

Details

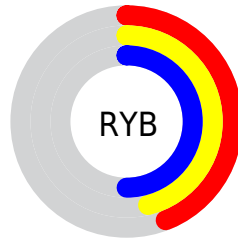
The XYZ color **17.4228, 18.5022, 23.0751** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.7201, 19.4560, 18.3918**, and the grayscale version is **17.4655, 18.3751, 20.0105**.

A 20% lighter version of the original color is **38.6101, 40.8406, 49.5641**, and **5.9086, 6.3231, 8.3062** is the 20% darker color. If you saturate the color by 10%, you get **15.0991, 16.1294, 22.7399**, and if you desaturate by 10%, it is **20.0384, 21.1134, 23.4415**.

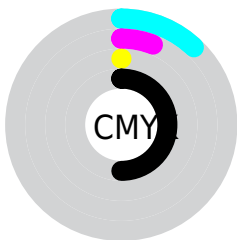
Distribution



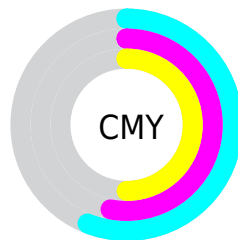
- Red (44%)
- Green (47%)
- Blue (50%)



- Red (44%)
- Yellow (46%)
- Blue (50%)



- Cyan (12%)
- Magenta (6%)
- Yellow (0%)
- Black (50%)



- Cyan (56%)
- Magenta (53%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4228, 18.5022, 23.0751 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 17.4228, 18.5022, 23.0751 by changing the saturation by 10% instead.

■ 17.4228, 18.5022,
23.0751

■ 17.4228, 18.5022,
23.0751

230.7063,
243.6867, 281.2449

■ 10.6336, 11.3111,
14.4431

■ 38.5891, 40.8912,
49.4414

■ 5.8865, 6.2765,
8.2873

■ 53.6970, 56.8580,
68.0128

■ 2.8162, 3.0139,
4.1889

■ 72.3083, 76.5187,
90.7344

■ 1.0573, 1.1390,
1.7295

■ 94.7887, 100.2579,
118.0248

■ 0.0000, 0.0110,
0.3809

121.5032,
128.4599, 150.3025

■ 0.0000, 0.0000,
0.0000

152.8175,

161.5091, 187.9861

189.0967,
199.7899, 231.4940

■ 17.4228, 18.5022,
23.0751

■ 17.4228, 18.5022,
23.0751

■ 15.0991, 16.1294,
22.7399

■ 20.0384, 21.1134,
23.4415

■ 13.0549, 13.9851,
22.4337

■ 22.9545, 23.9676,
23.8388

■ 11.2789, 12.0625,
22.1562

■ 26.1815, 27.0724,
24.2680

■ 9.7588, 10.3530,
21.9064

■ 29.7286, 30.4342,
24.7299

■ 8.4811, 8.8477,
21.6832

■ 33.6048, 34.0591,
25.2253

■ 7.4308, 7.5369,
21.4855

■ 37.8185, 37.9533,
25.7548

■ 6.5911, 6.4098,
21.3122

■ 42.3781, 42.1223,
26.3192

■ 5.9427, 5.4541,
21.1619

■ 47.2914, 46.5718,
26.9191

■ 5.4992, 4.7643,
21.0522

■ 52.5662, 51.3073,
27.5551

Harmonies

Analogous

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



16.9632, 18.5022, 22.4149



17.4228, 18.5022, 23.0751



17.9349, 18.5022, 22.9214

Triad

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



17.4228, 18.5022, 23.0751



18.5300, 18.5022, 19.1686



16.8325, 18.5022, 18.3947

Complementary

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



17.4228, 18.5022, 23.0751



18.7201, 19.4560, 18.3918

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.



17.2412, 18.5022, 17.6038



17.4228, 18.5022, 23.0751



18.2234, 18.5022, 18.0352

Square

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



17.4228, 18.5022, 23.0751



18.5809, 18.5022, 20.6176



17.7498, 18.5022, 17.4754



16.6268, 18.5022, 19.6811

Rectangle

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



17.4228, 18.5022, 23.0751



18.2369, 18.5022, 22.3808



17.7498, 18.5022, 17.4754



16.9503, 18.5022, 18.0647

Sweetspot

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



17.4233, 18.5030, 23.0755



34.1401, 36.0437, 41.1140



17.9654, 20.3237, 20.9852



7.9198, 8.3659, 9.6157



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.



17.4233, 18.5030, 23.0755



29.5622, 31.4493, 40.4685



16.6439, 16.8964, 22.8065



4.2614, 4.5169, 5.4605



5.4542, 4.7268, 20.8749



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.1978, 17.7559, 20.2384



31.2088, 29.9010, 34.4272



19.5646, 21.2008, 18.6840



4.4048, 4.3751, 4.9361



9.6300, 4.8717, 4.6412



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.4228, 18.5022, 23.0751 looks on a white background.

Color Contrast Check

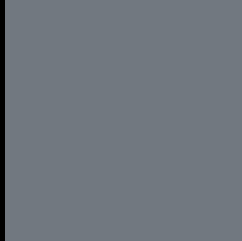
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4228, 18.5022, 23.0751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

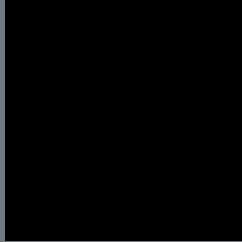
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

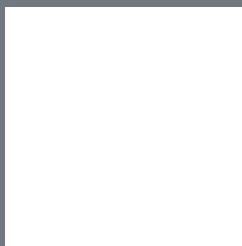
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.4228, 18.5022, 23.0751

Background



This preview shows how black text looks on a background with the XYZ color 17.4228, 18.5022, 23.0751.

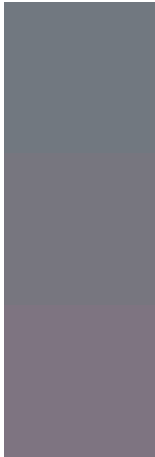


This preview shows how white text looks on a background with the XYZ color 17.4228, 18.5022,

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

17.4228, 18.5022, 23.0751

Protanopia

17.9169, 18.4111, 22.6880

Deuteranopia

18.8120, 18.5114, 23.3504



Tritanopia

17.4890, 18.5286, 23.4235

Trichromacy



Original Color

17.4228, 18.5022, 23.0751

Protanomaly

17.7637, 18.5079, 22.7148

Deuteranomaly

18.2089, 18.3725, 23.3554

Tritanomaly

17.4890, 18.5286, 23.4235

Monochromacy



Original Color

17.4228, 18.5022, 23.0751

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.4458, 18.3807, 21.0407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4228, 18.5022, 23.0751 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(113, 120, 128)` looks like.

```
.text, #text, p{  
    color:rgb(113, 120, 128)  
}
```

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(113, 120, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 120, 128) }
```

Border

The CSS property to change the border of an element to XYZ 17.4228, 18.5022, 23.0751 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(113, 120, 128) }
```


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

```
.border{ border-color:rgb(113, 120, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 120, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 120, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 120, 128);  
box-shadow:4px 4px 4px 4px rgb(113, 120,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4228, 18.5022, 23.0751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 120, 128) }
```

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

```
.background{ background-color: rgb(113,  
120, 128) }
```

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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