

Converting Colors

XYZ(14.9715, 17.5909, 23.0293)

Have a look what the booklet for
XYZ(14.9715, 17.5909, 23.0293)
contains.

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Color

**XYZ(14.9756, 17.6014,
23.0302)**

Conversions

Conversions Part 1

Format	Color
Hex	597A80
RGB	89, 122, 128
RGB Percent	35%, 48%, 50%
CMY	0.6510, 0.5216, 0.4980
CMYK	0.30, 0.05, 0.00, 0.50
HSL	189°, 18%, 43%
HSV	189°, 30%, 50%
XYZ	14.9756, 17.6014, 23.0302
YIQ	112.8170, -21.5940, -5.1300

Conversions

Conversions Part 2

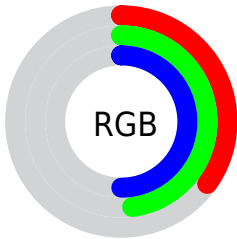
Format	Color
R_{YB}	89, 107, 128
Decimal	5864064
CIE _{Lab}	49.01, -10.16, -7.08
CIE _{LCh}	49, 12.380, 214.875
Yxy	17.6014, 0.2693, 0.3165
Android (android.graphics.Color)	4284054144 (0xFF597A80)
YUV	112.8170, 7.4852, -20.8875
Hunter-Lab	41.9540, -9.7035, -3.1788

Details

The XYZ color **14.9756, 17.6014, 23.0302** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.7977, 13.4950, 11.2764**, and the grayscale version is **15.6253, 16.4390, 17.9021**.

A 20% lighter version of the original color is **34.2918, 39.1837, 49.4719**, and **4.7083, 5.8010, 8.2687** is the 20% darker color. If you saturate the color by 10%, you get **13.6134, 16.5443, 22.8983**, and if you desaturate by 10%, it is **16.5574, 18.7798, 23.1746**.

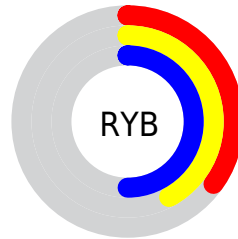
Distribution



Red (35%)

Green (48%)

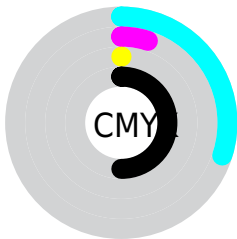
Blue (50%)



Red (35%)

Yellow (42%)

Blue (50%)

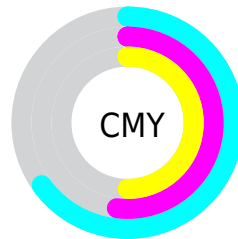


Cyan (30%)

Magenta (5%)

Yellow (0%)

Black (50%)



Cyan (65%)

Magenta (52%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9756, 17.6014, 23.0302 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 14.9756, 17.6014, 23.0302 by changing the saturation by 10% instead.

■ 14.9756, 17.6014,
23.0302

■ 14.9756, 17.6014,
23.0302

216.6098,
238.6146, 281.0070

■ 8.8885, 10.6642,
14.4103

■ 34.3824, 39.3569,
49.3667

■ 4.7250, 5.8415,
8.2646

■ 48.4327, 54.9441,
67.9204

■ 2.1199, 2.7489,
4.1745

■ 65.8682, 74.1833,
90.6225

■ 0.7000, 1.0021,
1.7216

■ 87.0542, 97.4590,
117.8915

■ 0.0000, 0.0000,
0.3754

■ 112.3559,
125.1556, 150.1459

■ 0.0000, 0.0000,
0.0000

142.1389,

157.6575, 187.8042

176.7684,
195.3490, 231.2851

■ 14.9756, 17.6014,
23.0302

■ 14.9756, 17.6014,
23.0302

■ 13.6134, 16.5443,
22.8983

■ 16.5574, 18.7798,
23.1746

■ 12.4580, 15.6007,
22.7770

■ 18.3675, 20.0828,
23.3307

■ 11.4980, 14.7650,
22.6663

■ 20.4160, 21.5160,
23.4994

■ 10.7200, 14.0302,
22.5655

■ 22.7119, 23.0842,
23.6810

■ 10.1089, 13.3886,
22.4738

■ 25.2640, 24.7919,
23.8761

■ 9.6472, 12.8310,
22.3906

■ 28.0803, 26.6433,
24.0851

■ 9.2920, 12.3498,
22.3164

■ 31.1686, 28.6424,
24.3082

■ 34.5365, 30.7932,
24.5458

■ 38.1911, 33.0994,
24.7983

Harmonies

Analogous

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



14.6161, 17.6014, 19.7097



14.9756, 17.6014, 23.0302



15.8057, 17.6014, 25.5086

Triad

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



14.9756, 17.6014, 23.0302



18.8186, 17.6014, 21.9897



16.5419, 17.6014, 13.5083

Complementary

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



14.9756, 17.6014, 23.0302



14.7977, 13.4950, 11.2764

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.



17.6889, 17.6014, 13.9712



14.9756, 17.6014, 23.0302



19.0377, 17.6014, 18.6303

Square

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



14.9756, 17.6014, 23.0302



18.0298, 17.6014, 24.8612



18.6155, 17.6014, 15.7583



15.4935, 17.6014, 14.4129

Rectangle

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



14.9756, 17.6014, 23.0302



16.5323, 17.6014, 26.2113



18.6155, 17.6014, 15.7583



16.9285, 17.6014, 13.5102

Sweetspot

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



14.9761, 17.6021, 23.0306



32.7697, 35.6638, 41.1129



13.8981, 18.3860, 13.6074



7.5718, 8.2787, 9.6172



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.



14.9761, 17.6021, 23.0306



24.5599, 29.5959, 40.3744



12.8319, 13.3137, 22.3159



4.3919, 4.7778, 5.5040



9.2143, 12.2471, 22.1282



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.9877, 13.1395, 20.1067



26.6941, 20.4770, 34.1390



16.7624, 17.4245, 11.9313



4.4706, 4.4014, 5.2828



11.5279, 5.6309, 14.6357



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 14.9756, 17.6014, 23.0302 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 14.9756, 17.6014, 23.0302 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

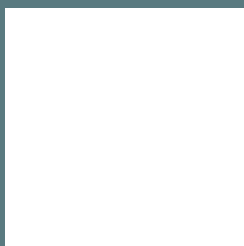
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.9756, 17.6014, 23.0302

Background



This preview shows how black text looks on a background with the XYZ color 14.9756, 17.6014, 23.0302.

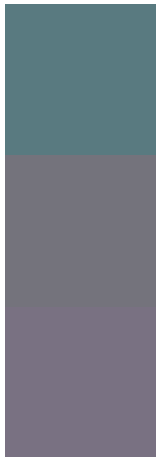


This preview shows how white text looks on a background with the XYZ color 14.9756, 17.6014,

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

14.9756, 17.6014, 23.0302

Protanopia

16.9713, 17.4297, 21.5386

Deuteranopia

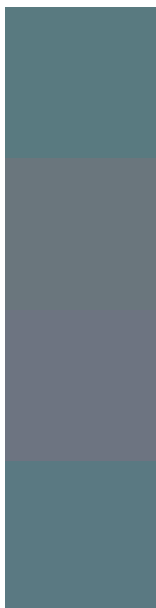
17.8195, 17.4869, 23.5552



Tritanopia

15.1506, 17.4871, 24.0496

Trichromacy



Original Color

14.9756, 17.6014, 23.0302

Protanomaly

16.1240, 17.5017, 21.9304

Deuteranomaly

16.5145, 17.3270, 23.2429

Tritanomaly

15.0831, 17.4601, 23.6943

Monochromacy



Original Color

14.9756, 17.6014, 23.0302

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.2243, 16.7418, 19.5686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9756, 17.6014, 23.0302 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(89, 122, 128)` looks like.

```
.text, #text, p{  
    color:rgb(89, 122, 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(89, 122, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 122, 128) }
```

Border

The CSS property to change the border of an element to XYZ 14.9756, 17.6014, 23.0302 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(89, 122, 128) }
```


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

```
.border{ border-color:rgb(89, 122, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 122, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 122, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 122, 128);  
box-shadow:4px 4px 4px 4px rgb(89, 122,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9756, 17.6014, 23.0302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 122, 128) }
```

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

```
.background{ background-color: rgb(89, 122,  
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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