

Converting Colors

XYZ(14.5910, 15.4567, 19.9360)

Have a look what the booklet for
XYZ(14.5910, 15.4567, 19.9360)
contains.

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Color

**XYZ(14.5596, 15.3915,
19.9728)**

Conversions

Conversions Part 1

Format	Color
Hex	676E78
RGB	103, 110, 120
RGB Percent	40%, 43%, 47%
CMY	0.5961, 0.5686, 0.5294
CMYK	0.14, 0.08, 0.00, 0.53
HSL	215°, 8%, 44%
HSV	215°, 14%, 47%
XYZ	14.5596, 15.3915, 19.9728
YIQ	109.0470, -7.3820, 1.6260

Conversions

Conversions Part 2

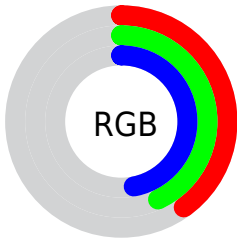
Format	Color
R_{YB}	103, 108, 120
Decimal	6778488
CIE Lab	46.17, -0.43, -6.46
CIE LCh	46, 6.469, 266.230
Yxy	15.3915, 0.2916, 0.3083
Android (android.graphics.Color)	4284968568 (0xFF676E78)
YUV	109.0470, 5.3998, -5.3032
Hunter-Lab	39.2320, -2.4119, -2.7218

Details

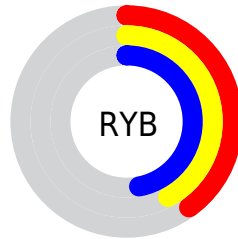
The XYZ color **14.5596, 15.3915, 19.9728** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.0991, 16.7825, 15.2230**, and the grayscale version is **14.5362, 15.2932, 16.6543**.

A 20% lighter version of the original color is **33.6932, 35.6892, 44.1426**, and **4.5781, 4.8636, 6.8284** is the 20% darker color. If you saturate the color by 10%, you get **12.5495, 13.2698, 19.6695**, and if you desaturate by 10%, it is **16.8289, 17.7376, 20.3063**.

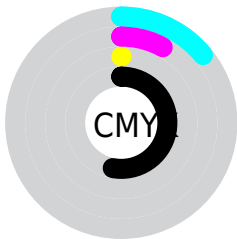
Distribution



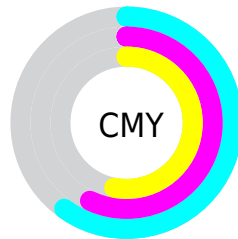
- Red (40%)
- Green (43%)
- Blue (47%)



- Red (40%)
- Yellow (42%)
- Blue (47%)



- Cyan (14%)
- Magenta (8%)
- Yellow (0%)
- Black (53%)



- Cyan (60%)
- Magenta (57%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5596, 15.3915, 19.9728 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 14.5596, 15.3915, 19.9728 by changing the saturation by 10% instead.

■ 14.5596, 15.3915,
19.9728

■ 14.5596, 15.3915,
19.9728

214.1265,
225.7238, 264.3672

■ 8.5952, 9.0946,
12.1914

■ 33.6568, 35.5385,
44.2299

■ 4.5331, 4.8029,
6.7500

■ 47.5202, 50.1575,
61.5428

■ 2.0079, 2.1321,
3.2302

■ 64.7474, 68.3192,
82.8698

■ 0.6384, 0.6826,
1.2133

■ 85.7036, 90.4082,
108.6296

■ 0.0000, 0.0000,
0.0000

110.7543,
116.8087, 139.2407

140.2648,

147.9052, 175.1216

174.6004,
184.0821, 216.6910

■ 14.5596, 15.3915,
19.9728

■ 14.5596, 15.3915,
19.9728

■ 12.5495, 13.2698,
19.6695

■ 16.8289, 17.7376,
20.3063

■ 10.7873, 11.3636,
19.3944

■ 19.3652, 20.3131,
20.6697

■ 9.2632, 9.6659,
19.1470

■ 22.1778, 23.1249,
21.0642

■ 7.9659, 8.1686,
18.9264

■ 25.2749, 26.1794,
21.4906

■ 6.8833, 6.8632,
18.7315

■ 28.6646, 29.4825,
21.9495

■ 6.0017, 5.7403,
18.5612

■ 32.3546, 33.0399,
22.4416

■ 5.3062, 4.7894,
18.4143

■ 36.3522, 36.8572,
22.9677

■ 4.7758, 3.9971,
18.2894

■ 40.6645, 40.9397,
23.5285

■ 4.5064, 3.5884,
18.2247

■ 45.2984, 45.2926,
24.1244

Harmonies

Analogous

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



14.0480, 15.3915, 19.4100



14.5596, 15.3915, 19.9728



15.1025, 15.3915, 19.6309

Triad

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



14.5596, 15.3915, 19.9728



15.6004, 15.3915, 15.4530



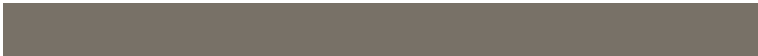
13.7659, 15.3915, 15.1279

Complementary

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



14.5596, 15.3915, 19.9728



16.0991, 16.7825, 15.2230

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.



14.1658, 15.3915, 14.1813



14.5596, 15.3915, 19.9728



15.2261, 15.3915, 14.3606

Square

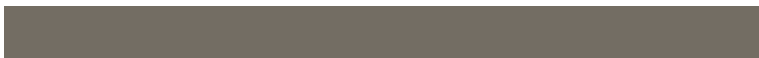
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



14.5596, 15.3915, 19.9728



15.7121, 15.3915, 16.9590



14.6989, 15.3915, 13.9094



13.5971, 15.3915, 16.5600

Rectangle

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



14.5596, 15.3915, 19.9728



15.4077, 15.3915, 18.9468



14.6989, 15.3915, 13.9094



13.8773, 15.3915, 14.7459

Sweetspot

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



14.5601, 15.3921, 19.9731



29.6276, 31.2265, 35.7189



15.2862, 17.5072, 18.1720



6.9571, 7.3344, 8.4557



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



14.5601, 15.3921, 19.9731



24.4099, 25.8161, 34.9495



13.9981, 14.0249, 19.7389



3.9206, 4.1396, 5.0356



4.9026, 3.8877, 19.8773



22.5901, 16.9528, 94.5514

Inverse Universe

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



15.4108, 14.8197, 16.8009



26.2211, 24.6451, 28.1851



16.7156, 18.3050, 15.4844



4.0604, 4.0399, 4.5157



9.0580, 4.5993, 3.5961



42.8056, 21.7786, 15.0380

Previews

White Background



This preview shows how the XYZ color 14.5596, 15.3915, 19.9728 looks on a white background.

Color Contrast Check

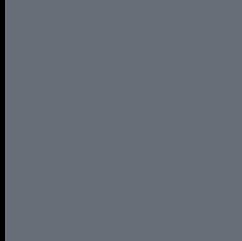
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5596, 15.3915, 19.9728 looks on a black 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

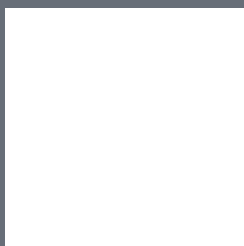
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.5596, 15.3915, 19.9728

Background



This preview shows how black text looks on a background with the XYZ color 14.5596, 15.3915, 19.9728.



This preview shows how white text looks on a background with the XYZ color 14.5596, 15.3915,

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

14.5596, 15.3915, 19.9728

Protanopia

14.9828, 15.4573, 19.6467

Deuteranopia

15.6755, 15.3334, 20.2226



Tritanopia

14.4992, 15.3673, 19.6548

Trichromacy



Original Color

14.5596, 15.3915, 19.9728

Protanomaly

14.7423, 15.3334, 19.6354

Deuteranomaly

15.2644, 15.2754, 20.2331

Tritanomaly

14.4992, 15.3673, 19.6548

Monochromacy



Original Color

14.5596, 15.3915, 19.9728

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.5127, 15.2553, 17.8025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5596, 15.3915, 19.9728 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(103, 110, 120)` looks like.

```
.text, #text, p{  
    color:rgb(103, 110, 120)  
}
```

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(103, 110, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 110, 120) }
```

Border

The CSS property to change the border of an element to XYZ 14.5596, 15.3915, 19.9728 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(103, 110, 120) }
```


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

```
.border{ border-color:rgb(103, 110, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 110, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 110, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 110, 120);  
box-shadow:4px 4px 4px 4px rgb(103, 110,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5596, 15.3915, 19.9728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 110, 120) }
```

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

```
.background{ background-color: rgb(103,  
110, 120) }
```

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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