

Converting Colors

XYZ(10.2348, 11.6406, 17.9821)

Have a look what the booklet for
XYZ(10.2348, 11.6406, 17.9821)
contains.

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Color

**XYZ(10.2502, 11.6917,
17.9361)**

Conversions

Conversions Part 1

Format	Color
Hex	476473
RGB	71, 100, 115
RGB Percent	28%, 39%, 45%
CMY	0.7216, 0.6078, 0.5490
CMYK	0.38, 0.13, 0.00, 0.55
HSL	200°, 24%, 36%
HSV	200°, 38%, 45%
XYZ	10.2502, 11.6917, 17.9361
YIQ	93.0390, -22.0990, -1.4830

Conversions

Conversions Part 2

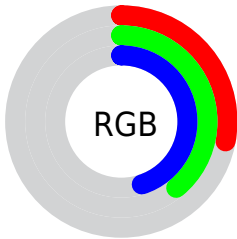
Format	Color
R_{YB}	71, 88, 115
Decimal	4678771
CIE _{Lab}	40.72, -6.50, -11.84
CIE _{LCh}	41, 13.504, 241.249
Yxy	11.6917, 0.2570, 0.2932
Android (android.graphics.Color)	4282868851 (0xFF476473)
YUV	93.0390, 10.8268, -19.3282
Hunter-Lab	34.1931, -6.3284, -7.1655

Details

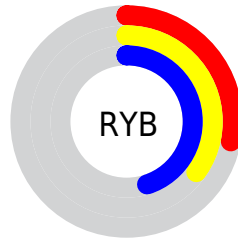
The XYZ color **10.2502, 11.6917, 17.9361** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.5356, 10.7556, 7.4296**, and the grayscale version is **10.3931, 10.9343, 11.9075**.

A 20% lighter version of the original color is **25.9268, 28.9882, 40.7880**, and **2.6396, 3.1336, 5.7759** is the 20% darker color. If you saturate the color by 10%, you get **9.1184, 10.5636, 17.7782**, and if you desaturate by 10%, it is **11.5605, 12.9392, 18.1080**.

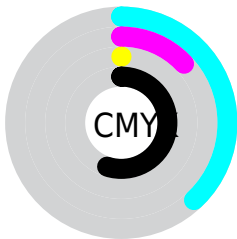
Distribution



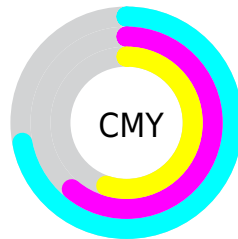
- Red (28%)
- Green (39%)
- Blue (45%)



- Red (28%)
- Yellow (35%)
- Blue (45%)



- Cyan (38%)
- Magenta (13%)
- Yellow (0%)
- Black (55%)



- Cyan (72%)
- Magenta (61%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2502, 11.6917, 17.9361 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 10.2502, 11.6917, 17.9361 by changing the saturation by 10% instead.

■ 10.2502, 11.6917,
17.9361

■ 10.2502, 11.6917,
17.9361

186.4651,
202.3534, 252.7346

■ 5.6287, 6.5341,
10.7352

■ 25.9105, 28.9323,
40.7409

■ 2.6591, 3.1725,
5.7771

■ 37.6800, 41.7842,
57.1818

■ 0.9762, 1.2224,
2.6434

■ 52.5628, 57.9696,
77.5398

■ 0.0000, 0.0799,
0.9148

■ 70.9244, 77.8729,
102.2334

■ 0.0000, 0.0000,
0.0000

■ 93.1301, 101.8785,
131.6811

119.5452,

130.3709, 166.3015

150.5351,
163.7344, 206.5132

■ 10.2502, 11.6917,
17.9361

■ 10.2502, 11.6917,
17.9361

■ 9.1184, 10.5636,
17.7782

■ 11.5605, 12.9392,
18.1080

■ 8.1547, 9.5485,
17.6331

■ 13.0568, 14.3095,
18.2937

■ 7.3493, 8.6410,
17.5004

■ 14.7474, 15.8076,
18.4937

■ 6.6907, 7.8350,
17.3795

■ 16.6399, 17.4377,
18.7086

■ 6.1661, 7.1233,
17.2698

■ 18.7412, 19.2038,
18.9388

■ 5.7372, 6.4860,
17.1694

■ 21.0583, 21.1097,
19.1845

■ 5.6650, 6.3788,
17.1525

■ 23.5973, 23.1590,
19.4462

■ 26.3646, 25.3552,
19.7243

■ 29.3660, 27.7018,
20.0190

Harmonies

Analogous

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



9.6115, 11.6917, 15.6667



10.2502, 11.6917, 17.9361



11.1528, 11.6917, 18.7641

Triad

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



10.2502, 11.6917, 17.9361



13.0571, 11.6917, 12.6157



10.1845, 11.6917, 8.7330

Complementary

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



10.2502, 11.6917, 17.9361



11.5356, 10.7556, 7.4296

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.



11.0725, 11.6917, 8.1522



10.2502, 11.6917, 17.9361



12.7624, 11.6917, 10.1858

Square

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



10.2502, 11.6917, 17.9361



12.8064, 11.6917, 15.4392



12.0221, 11.6917, 8.6439



9.5751, 11.6917, 10.3584

Rectangle

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



10.2502, 11.6917, 17.9361



11.7934, 11.6917, 18.3051



12.0221, 11.6917, 8.6439



10.4585, 11.6917, 8.4206

Sweetspot

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



10.2506, 11.6922, 17.9364



25.4531, 27.4690, 33.0050



10.3959, 14.2678, 10.9402



5.9961, 6.4859, 7.8649



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.2506, 11.6922, 17.9364



16.5265, 19.1186, 31.8637



8.4415, 8.0740, 17.3333



3.6832, 3.9550, 4.6595



6.4560, 7.2517, 19.6020



30.6426, 33.7017, 95.2503

Inverse Universe

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



11.6240, 9.0718, 13.1954



19.4427, 13.9764, 21.7030



13.5353, 14.7550, 8.0962



3.7761, 3.7377, 4.3478



9.5558, 4.7560, 8.1351



46.1537, 23.0116, 37.4683

Previews

White Background



This preview shows how the XYZ color 10.2502, 11.6917, 17.9361 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 10.2502, 11.6917, 17.9361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

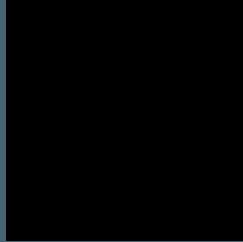
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.2502, 11.6917, 17.9361

Background



This preview shows how black text looks on a background with the XYZ color 10.2502, 11.6917, 17.9361.

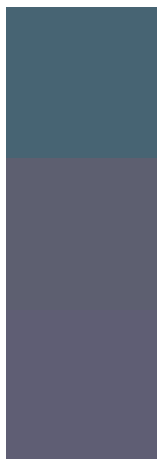


This preview shows how white text looks on a background with the XYZ color 10.2502, 11.6917,

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

10.2502, 11.6917, 17.9361

Protanopia

11.5310, 11.6814, 16.9762

Deuteranopia

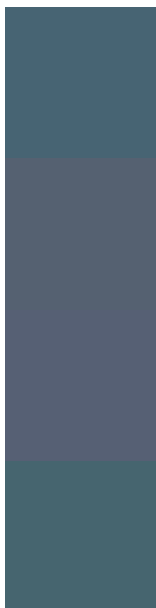
11.8744, 11.6993, 18.1553



Tritanopia

9.8682, 11.6767, 16.2017

Trichromacy



Original Color

10.2502, 11.6917, 17.9361

Protanomaly

11.0016, 11.6729, 17.2960

Deuteranomaly

11.1730, 11.6051, 18.1741

Tritanomaly

10.0487, 11.7571, 16.7787

Monochromacy



Original Color

10.2502, 11.6917, 17.9361

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.2781, 11.2366, 13.9391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2502, 11.6917, 17.9361 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(71, 100, 115)` looks like.

```
.text, #text, p{  
    color:rgb(71, 100, 115)  
}
```

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(71, 100, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 100, 115) }
```

Border

The CSS property to change the border of an element to XYZ 10.2502, 11.6917, 17.9361 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(71, 100, 115) }
```


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

```
.border{ border-color:rgb(71, 100, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 100, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 100, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 100, 115);  
box-shadow:4px 4px 4px 4px rgb(71, 100,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2502, 11.6917, 17.9361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 100, 115) }
```

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

```
.background{ background-color: rgb(71, 100,  
115) }
```

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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