

Converting Colors

XYZ(10.7730, 12.0174, 16.4042)

Have a look what the booklet for
XYZ(10.7730, 12.0174, 16.4042)
contains.

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Color

**XYZ(10.7650, 11.9895,
16.4987)**

Conversions

Conversions Part 1

Format	Color
Hex	51646E
RGB	81, 100, 110
RGB Percent	32%, 39%, 43%
CMY	0.6823, 0.6078, 0.5686
CMYK	0.26, 0.09, 0.00, 0.57
HSL	201°, 15%, 37%
HSV	201°, 26%, 43%
XYZ	10.7650, 11.9895, 16.4987
YIQ	95.4590, -14.5340, -0.9180

Conversions

Conversions Part 2

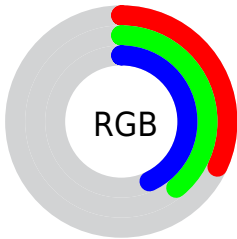
Format	Color
R_{YB}	81, 92, 110
Decimal	5334126
CIE Lab	41.20, -4.63, -8.01
CIE LCh	41, 9.250, 239.931
Yxy	11.9895, 0.2742, 0.3054
Android (android.graphics.Color)	4283524206 (0xFF51646E)
YUV	95.4590, 7.1687, -12.6805
Hunter-Lab	34.6259, -5.1005, -4.0127

Details

The XYZ color **10.7650, 11.9895, 16.4987** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.6568, 11.3913, 9.3692**, and the grayscale version is **10.9736, 11.5450, 12.5725**.

A 20% lighter version of the original color is **26.9483, 29.5671, 38.4691**, and **2.8357, 3.2513, 5.0355** is the 20% darker color. If you saturate the color by 10%, you get **9.5424, 10.8320, 16.3399**, and if you desaturate by 10%, it is **12.1580, 13.2606, 16.6708**.

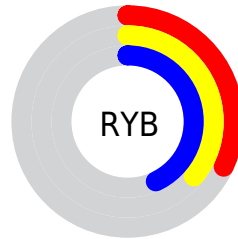
Distribution



Red (32%)

Green (39%)

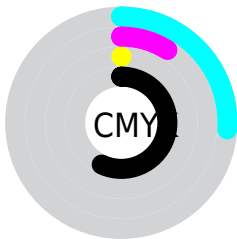
Blue (43%)



Red (32%)

Yellow (36%)

Blue (43%)

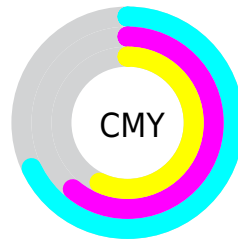


Cyan (26%)

Magenta (9%)

Yellow (0%)

Black (57%)



Cyan (68%)

Magenta (61%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7650, 11.9895, 16.4987 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 10.7650, 11.9895, 16.4987 by changing the saturation by 10% instead.

■ 10.7650, 11.9895,
16.4987

■ 10.7650, 11.9895,
16.4987

189.9899,
204.3358, 244.2121

■ 5.9752, 6.7365,
9.7196

■ 26.8616, 29.4760,
38.2406

■ 2.8705, 3.2979,
5.1103

■ 38.8991, 42.4783,
54.0404

■ 1.0857, 1.2892,
2.2522

■ 54.0832, 58.8325,
73.6843

■ 0.0131, 0.1328,
0.7043

■ 72.7792, 78.9230,
97.5906

■ 0.0000, 0.0000,
0.0000

■ 95.3525, 103.1342,
126.1780

122.1685,

131.8504, 159.8651

153.5925,
165.4562, 199.0702

■ 10.7650, 11.9895,
16.4987

■ 10.7650, 11.9895,
16.4987

■ 9.5424, 10.8320,
16.3399

■ 12.1580, 13.2606,
16.6708

■ 8.4816, 9.7824,
16.1932

■ 13.7274, 14.6478,
16.8559

■ 7.5747, 8.8366,
16.0585

■ 15.4802, 16.1553,
17.0545

■ 6.8128, 7.9897,
15.9352

■ 17.4227, 17.7868,
17.2670

■ 6.1859, 7.2361,
15.8228

■ 19.5608, 19.5456,
17.4938

■ 5.6827, 6.5697,
15.7206

■ 21.9004, 21.4350,
17.7352

■ 5.2771, 5.9766,
15.6275

■ 24.4469, 23.4580,
17.9914

■ 5.1367, 5.7702,
15.5951

■ 27.2055, 25.6178,
18.2629

■ 30.1813, 27.9171,
18.5499

Harmonies

Analogous

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



10.3198, 11.9895, 14.9746



10.7650, 11.9895, 16.4987



11.3941, 11.9895, 17.0833

Triad

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



10.7650, 11.9895, 16.4987



12.7271, 11.9895, 13.0589



10.7676, 11.9895, 10.1228

Complementary

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



10.7650, 11.9895, 16.4987



11.6568, 11.3913, 9.3692

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.



11.3972, 11.9895, 9.7148



10.7650, 11.9895, 16.4987



12.5438, 11.9895, 11.3060

Square

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



10.7650, 11.9895, 16.4987



12.5422, 11.9895, 14.9829



12.0505, 11.9895, 10.1265



10.3213, 11.9895, 11.2991

Rectangle

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



10.7650, 11.9895, 16.4987



11.8385, 11.9895, 16.8214



12.0505, 11.9895, 10.1265



10.9640, 11.9895, 9.8967

Sweetspot

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



10.7654, 11.9900, 16.4990



23.5737, 25.2576, 29.5400



10.8435, 13.6510, 11.8860



5.4058, 5.8075, 6.8648



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



10.7654, 11.9900, 16.4990



17.4788, 19.7146, 28.7913



9.5226, 9.5044, 16.0847



3.3828, 3.6309, 4.2768



6.1431, 6.8765, 18.7251



29.7750, 32.6018, 93.0026

Inverse Universe

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



11.6734, 10.1202, 13.3953



19.4111, 15.9239, 22.1446



12.9844, 14.0465, 9.8117



3.4679, 3.4349, 3.9907



9.1191, 4.5400, 7.7031



45.0090, 22.4489, 36.1752

Previews

White Background



This preview shows how the XYZ color 10.7650, 11.9895, 16.4987 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 10.7650, 11.9895, 16.4987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

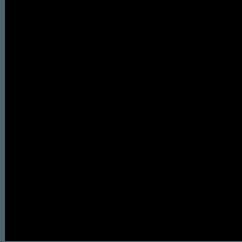
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.7650, 11.9895, 16.4987

Background



This preview shows how black text looks on a background with the XYZ color 10.7650, 11.9895, 16.4987.



This preview shows how white text looks on a background with the XYZ color 10.7650, 11.9895,

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

10.7650, 11.9895, 16.4987

Protanopia

11.7135, 11.9352, 15.8737

Deuteranopia

12.2170, 12.0414, 16.7193



Tritanopia

10.6573, 11.9464, 15.9315

Trichromacy



Original Color

10.7650, 11.9895, 16.4987

Protanomaly

11.3494, 11.8777, 16.1624

Deuteranomaly

11.6581, 12.0242, 16.7454

Tritanomaly

10.7108, 11.9678, 16.2135

Monochromacy



Original Color

10.7650, 11.9895, 16.4987

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.7914, 11.6431, 13.7352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7650, 11.9895, 16.4987 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(81, 100, 110)` looks like.

```
.text, #text, p{  
    color:rgb(81, 100, 110)  
}
```

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(81, 100, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 100, 110) }
```

Border

The CSS property to change the border of an element to XYZ 10.7650, 11.9895, 16.4987 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(81, 100, 110) }
```


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

```
.border{ border-color:rgb(81, 100, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 100, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 100, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 100, 110);  
box-shadow:4px 4px 4px 4px rgb(81, 100,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7650, 11.9895, 16.4987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 100, 110) }
```

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

```
.background{ background-color: rgb(81, 100,  
110) }
```

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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