

Converting Colors

XYZ(10.7118, 13.0269, 16.0570)

Have a look what the booklet for
XYZ(10.7118, 13.0269, 16.0570)
contains.

XYZ(10.7121, 13.0146, 16.1348)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.7121, 13.0146,
16.1348)**

Conversions

Conversions Part 1

Format	Color
Hex	496B6C
RGB	73, 107, 108
RGB Percent	29%, 42%, 42%
CMY	0.7137, 0.5804, 0.5765
CMYK	0.32, 0.01, 0.00, 0.58
HSL	182°, 19%, 35%
HSV	182°, 32%, 42%
XYZ	10.7121, 13.0146, 16.1348
YIQ	96.9480, -20.5850, -6.8970

Conversions

Conversions Part 2

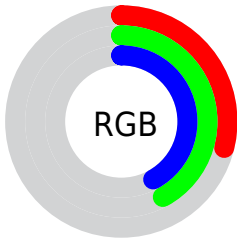
Format	Color
R_{YB}	73, 90, 108
Decimal	4811628
CIE _{Lab}	42.79, -11.87, -4.48
CIE _{LCh}	43, 12.685, 200.689
Yxy	13.0146, 0.2687, 0.3265
Android (android.graphics.Color)	4283001708 (0xFF496B6C)
YUV	96.9480, 5.4486, -21.0024
Hunter-Lab	36.0758, -10.1299, -1.2643

Details

The XYZ color **10.7121, 13.0146, 16.1348** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.8358, 8.5667, 7.4386**, and the grayscale version is **11.3405, 11.9311, 12.9929**.

A 20% lighter version of the original color is **26.6532, 31.1679, 37.4121**, and **2.8842, 3.7883, 4.9941** is the 20% darker color. If you saturate the color by 10%, you get **9.9319, 12.5651, 16.0894**, and if you desaturate by 10%, it is **11.6353, 13.5386, 16.1875**.

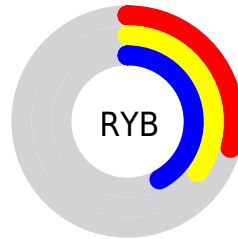
Distribution



Red (29%)

Green (42%)

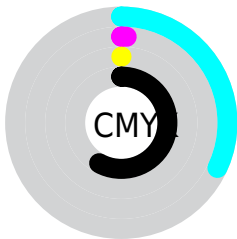
Blue (42%)



Red (29%)

Yellow (35%)

Blue (42%)

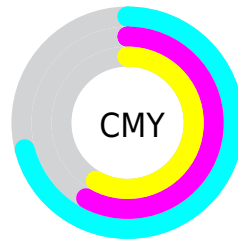


Cyan (32%)

Magenta (1%)

Yellow (0%)

Black (58%)



Cyan (71%)

Magenta (58%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7121, 13.0146, 16.1348 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 10.7121, 13.0146, 16.1348 by changing the saturation by 10% instead.

■ 10.7121, 13.0146,
16.1348

■ 10.7121, 13.0146,
16.1348

189.6310,
211.0112, 242.0086

■ 5.9394, 7.4386,
9.4642

■ 26.7642, 31.3300,
37.6021

■ 2.8486, 3.7379,
4.9443

■ 38.7745, 44.8382,
53.2359

■ 1.0742, 1.5280,
2.1564

■ 53.9279, 61.7593,
72.6945

■ 0.0034, 0.3083,
0.6491

■ 72.5899, 82.4776,
96.3965

■ 0.0000, 0.0000,
0.0000

■ 95.1259, 107.3775,
124.7603

121.9011,

136.8435, 158.2046

153.2810,
171.2600, 197.1479

■ 10.7121, 13.0146,
16.1348

■ 10.7121, 13.0146,
16.1348

■ 9.9319, 12.5651,
16.0894

■ 11.6353, 13.5386,
16.1875

■ 9.2863, 12.1849,
16.0500

■ 12.7072, 14.1391,
16.2469

■ 8.7675, 11.8702,
16.0166

■ 13.9346, 14.8200,
16.3136

■ 8.3668, 11.6165,
15.9888

■ 15.3234, 15.5842,
16.3880

■ 8.0742, 11.4187,
15.9660

■ 16.8794, 16.4348,
16.4701

■ 7.8768, 11.2702,
15.9478

■ 18.6079, 17.3745,
16.5604

■ 7.7503, 11.1696,
15.9350

■ 20.5142, 18.4060,
16.6590

■ 22.6032, 19.5319,
16.7662

■ 24.8796, 20.7546,
16.8823

Harmonies

Analogous

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



10.6257, 13.0146, 13.3272



10.7121, 13.0146, 16.1348



11.2299, 13.0146, 18.6989

Triad

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



10.7121, 13.0146, 16.1348



13.8638, 13.0146, 17.8158



12.6730, 13.0146, 9.5419

Complementary

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



10.7121, 13.0146, 16.1348



9.8358, 8.5667, 7.4386

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.



13.5847, 13.0146, 10.4398



10.7121, 13.0146, 16.1348



14.2954, 13.0146, 15.0491

Square

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



10.7121, 13.0146, 16.1348



13.0380, 13.0146, 19.7538



14.1907, 13.0146, 12.3728



11.7252, 13.0146, 9.7532

Rectangle

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



10.7121, 13.0146, 16.1348



11.7657, 13.0146, 19.8084



14.1907, 13.0146, 12.3728



12.9946, 13.0146, 9.7191

Sweetspot

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



10.7125, 13.0151, 16.1351



22.7457, 25.0659, 28.5471



9.3324, 12.6306, 8.3515



5.4525, 6.0376, 6.9068



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.



10.7125, 13.0151, 16.1351



17.7365, 22.2337, 28.2644



9.1037, 9.7976, 15.5989



3.1748, 3.4778, 3.9388



9.2407, 13.3158, 19.0054



46.9725, 67.6235, 96.8031

Inverse Universe

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



11.2210, 9.0150, 15.0592



18.7871, 14.0366, 26.0266



11.1353, 11.1658, 7.8718



3.2140, 3.1625, 3.8573



10.4112, 5.0166, 16.3256



52.9923, 25.5389, 82.8852

Previews

White Background



This preview shows how the XYZ color 10.7121, 13.0146, 16.1348 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 10.7121, 13.0146, 16.1348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

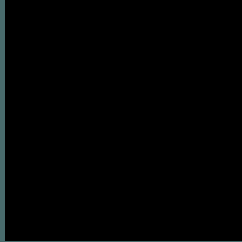
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.7121, 13.0146, 16.1348

Background



This preview shows how black text looks on a background with the XYZ color 10.7121, 13.0146, 16.1348.



This preview shows how white text looks on a background with the XYZ color 10.7121, 13.0146,

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

10.7121, 13.0146, 16.1348

Protanopia

12.5354, 12.9386, 14.9334

Deuteranopia

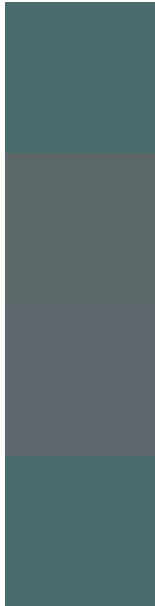
13.1260, 12.9253, 16.5549



Tritanopia

11.1502, 13.0417, 18.1493

Trichromacy



Original Color

10.7121, 13.0146, 16.1348

Protanomaly

11.7144, 12.9446, 15.2457

Deuteranomaly

12.0301, 12.7912, 16.3029

Tritanomaly

10.9027, 12.9338, 17.2511

Monochromacy



Original Color

10.7121, 13.0146, 16.1348

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.0271, 12.3217, 14.1090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7121, 13.0146, 16.1348 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(73, 107, 108)` looks like.

```
.text, #text, p{  
    color:rgb(73, 107, 108)  
}
```

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(73, 107, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 107, 108) }
```

Border

The CSS property to change the border of an element to XYZ 10.7121, 13.0146, 16.1348 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(73, 107, 108) }
```


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

```
.border{ border-color:rgb(73, 107, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 107, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 107, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 107, 108);  
box-shadow:4px 4px 4px 4px rgb(73, 107,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7121, 13.0146, 16.1348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 107, 108) }
```

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

```
.background{ background-color: rgb(73, 107,  
108) }
```

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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