

Converting Colors

XYZ(10.6765, 13.5215, 17.4349)

Have a look what the booklet for
XYZ(10.6765, 13.5215, 17.4349)
contains.

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Color

**XYZ(10.6149, 13.4117,
17.3585)**

Conversions

Conversions Part 1

Format	Color
Hex	406E70
RGB	64, 110, 112
RGB Percent	25%, 43%, 44%
CMY	0.7490, 0.5686, 0.5608
CMYK	0.43, 0.02, 0.00, 0.56
HSL	182°, 27%, 35%
HSV	182°, 43%, 44%
XYZ	10.6149, 13.4117, 17.3585
YIQ	96.4740, -28.0580, -9.1300

Conversions

Conversions Part 2

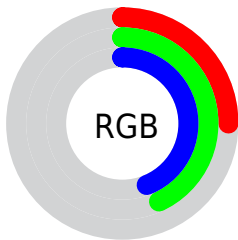
Format	Color
R_{YB}	64, 87, 112
Decimal	4222576
CIE _{Lab}	43.38, -15.15, -6.07
CIE _{LCh}	43, 16.322, 201.838
Y _{xy}	13.4117, 0.2565, 0.3241
Android (android.graphics.Color)	4282412656 (0xFF406E70)
Y _{UV}	96.4740, 7.6543, -28.4797
Hunter-Lab	36.6220, -12.3502, -2.4675

Details

The XYZ color **10.6149, 13.4117, 17.3585** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.5559, 7.7115, 5.8356**, and the grayscale version is **11.2206, 11.8050, 12.8556**.

A 20% lighter version of the original color is **26.6914, 32.1658, 39.9238**, and **2.7860, 3.8866, 5.4538** is the 20% darker color. If you saturate the color by 10%, you get **9.9084, 12.9733, 17.3113**, and if you desaturate by 10%, it is **11.4688, 13.9271, 17.4132**.

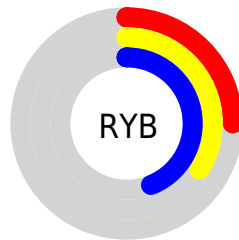
Distribution



Red (25%)

Green (43%)

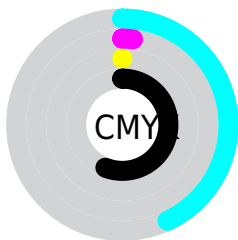
Blue (44%)



Red (25%)

Yellow (34%)

Blue (44%)

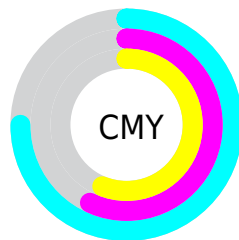


Cyan (43%)

Magenta (2%)

Yellow (0%)

Black (56%)



Cyan (75%)

Magenta (57%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6149, 13.4117, 17.3585 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 10.6149, 13.4117, 17.3585 by changing the saturation by 10% instead.

■ 10.6149, 13.4117,
17.3585

■ 10.6149, 13.4117,
17.3585

188.9695,
213.5396, 249.3434

■ 5.8739, 7.7127,
10.3258

■ 26.5851, 32.0415,
39.7402

■ 2.8085, 3.9116,
5.5071

■ 38.5451, 45.7410,
55.9263

■ 1.0533, 1.6243,
2.4838

■ 53.6420, 62.8761,
76.0005

■ 0.0000, 0.3739,
0.8316

■ 72.2413, 83.8312,
100.3815

■ 0.0000, 0.0000,
0.0000

■ 94.7084, 108.9907,
129.4877

121.4085,

138.7390, 163.7377

152.7071,
173.4605, 203.5501

■ 10.6149, 13.4117,
17.3585

■ 10.6149, 13.4117,
17.3585

■ 9.9084, 12.9733,
17.3113

■ 11.4688, 13.9271,
17.4132

■ 9.3393, 12.6058,
17.2704

■ 12.4769, 14.5221,
17.4749

■ 8.8983, 12.3047,
17.2355

■ 13.6472, 15.2011,
17.5443

■ 8.5742, 12.0643,
17.2062

■ 14.9866, 15.9677,
17.6217

■ 8.3527, 11.8772,
17.1818

■ 16.5018, 16.8253,
17.7073

■ 8.2176, 11.7556,
17.1654

■ 18.1990, 17.7771,
17.8016

■ 20.0841, 18.8262,
17.9048

■ 22.1628, 19.9755,
18.0170

■ 24.4405, 21.2278,
18.1387

Harmonies

Analogous

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



10.4824, 13.4117, 13.6337



10.6149, 13.4117, 17.3585



11.2991, 13.4117, 20.8123

Triad

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



10.6149, 13.4117, 17.3585



14.7628, 13.4117, 19.3580



13.0968, 13.4117, 8.7227

Complementary

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



10.6149, 13.4117, 17.3585



9.5559, 7.7115, 5.8356

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.



14.3145, 13.4117, 9.7708



10.6149, 13.4117, 17.3585



15.3172, 13.4117, 15.6173

Square

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



10.6149, 13.4117, 17.3585



13.6764, 13.4117, 22.0936



15.1480, 13.4117, 12.1558



11.8615, 13.4117, 9.0317

Rectangle

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



10.6149, 13.4117, 17.3585



12.0022, 13.4117, 22.2962



15.1480, 13.4117, 12.1558



13.5228, 13.4117, 8.9209

Sweetspot

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



10.6153, 13.4122, 17.3588



23.8680, 26.6429, 30.8144



8.8804, 13.0672, 7.1471



5.6411, 6.3471, 7.3975



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



10.6153, 13.4122, 17.3588



17.4649, 22.8275, 30.4154



8.3991, 8.9798, 16.6201



3.4636, 3.7925, 4.3037



9.4958, 13.5818, 19.8427



47.1412, 67.3343, 98.7913

Inverse Universe

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



11.3303, 8.2376, 15.7453



18.9085, 12.5472, 27.1202



11.2303, 11.0602, 6.3937



3.5087, 3.4512, 4.2055



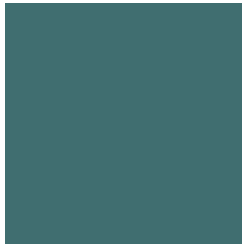
10.8114, 5.2169, 16.6143



53.7747, 25.9552, 82.3345

Previews

White Background



This preview shows how the XYZ color 10.6149, 13.4117, 17.3585 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 10.6149, 13.4117, 17.3585 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 10.6149, 13.4117, 17.3585

Background



This preview shows how black text looks on a background with the XYZ color 10.6149, 13.4117, 17.3585.



This preview shows how white text looks on a background with the XYZ color 10.6149, 13.4117,

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

10.6149, 13.4117, 17.3585

Protanopia

12.7870, 13.1937, 15.7826

Deuteranopia

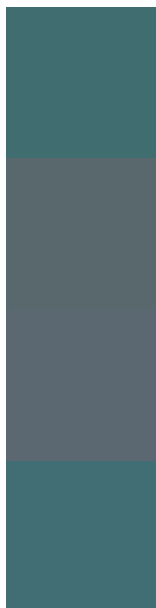
13.4430, 13.2028, 17.7595



Tritanopia

10.9854, 13.4035, 19.1477

Trichromacy



Original Color

10.6149, 13.4117, 17.3585

Protanomaly

11.7351, 13.0795, 16.3741

Deuteranomaly

12.1453, 13.1169, 17.5145

Tritanomaly

10.8010, 13.3221, 18.5251

Monochromacy



Original Color

10.6149, 13.4117, 17.3585

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.7081, 12.1515, 14.3515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6149, 13.4117, 17.3585 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(64, 110, 112)` looks like.

```
.text, #text, p{  
    color:rgb(64, 110, 112)  
}
```

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(64, 110, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 110, 112) }
```

Border

The CSS property to change the border of an element to XYZ 10.6149, 13.4117, 17.3585 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(64, 110, 112) }
```


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

```
.border{ border-color:rgb(64, 110, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 110, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 110, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 110, 112);  
box-shadow:4px 4px 4px 4px rgb(64, 110,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6149, 13.4117, 17.3585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 110, 112) }
```

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

```
.background{ background-color: rgb(64, 110,  
112) }
```

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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