

Converting Colors

XYZ(11.0845, 13.1822, 16.6123)

Have a look what the booklet for
XYZ(11.0845, 13.1822, 16.6123)
contains.

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Color

**XYZ(11.1327, 13.2190,
16.7166)**

Conversions

Conversions Part 1

Format	Color
Hex	4D6B6E
RGB	77, 107, 110
RGB Percent	30%, 42%, 43%
CMY	0.6980, 0.5804, 0.5686
CMYK	0.30, 0.03, 0.00, 0.57
HSL	185°, 18%, 37%
HSV	185°, 30%, 43%
XYZ	11.1327, 13.2190, 16.7166
YIQ	98.3720, -18.8430, -5.4270

Conversions

Conversions Part 2

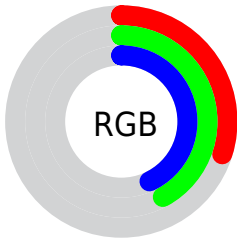
Format	Color
RYB	77, 93, 110
Decimal	5073774
CIELab	43.09, -10.07, -5.21
CIELCh	43, 11.335, 207.369
Yxy	13.2190, 0.2711, 0.3219
Android (android.graphics.Color)	4283263854 (0xFF4D6B6E)
YUV	98.3720, 5.7326, -18.7432
Hunter-Lab	36.3579, -8.9702, -1.8097

Details

The XYZ color **11.1327, 13.2190, 16.7166** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.6386, 9.5880, 8.3113**, and the grayscale version is **11.6920, 12.3009, 13.3956**.

A 20% lighter version of the original color is **27.5008, 31.5744, 38.8274**, and **3.0485, 3.8666, 5.2883** is the 20% darker color. If you saturate the color by 10%, you get **10.2157, 12.5928, 16.6443**, and if you desaturate by 10%, it is **12.2018, 13.9261, 16.7970**.

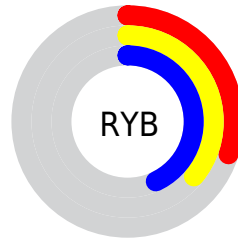
Distribution



Red (30%)

Green (42%)

Blue (43%)



Red (30%)

Yellow (36%)

Blue (43%)

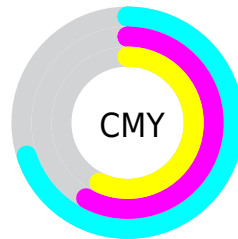


Cyan (30%)

Magenta (3%)

Yellow (0%)

Black (57%)



Cyan (70%)

Magenta (58%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.1327, 13.2190, 16.7166 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 11.1327, 13.2190, 16.7166 by changing the saturation by 10% instead.

■ 11.1327, 13.2190,
16.7166

■ 11.1327, 13.2190,
16.7166

192.4652,
212.3165, 245.5223

■ 6.2241, 7.5795,
9.8728

■ 27.5361, 31.6967,
38.6218

■ 3.0238, 3.8271,
5.2102

■ 39.7616, 45.3037,
54.5203

■ 1.1664, 1.5773,
2.3102

■ 55.1567, 62.3353,
74.2742

■ 0.0796, 0.3422,
0.7369

■ 74.0869, 83.1759,
98.3019

■ 0.0000, 0.0000,
0.0000

■ 96.9175, 108.2099,
127.0220

124.0139,

137.8218, 160.8531

155.7413,
172.3958, 200.2137

■ 11.1327, 13.2190,
16.7166

■ 11.1327, 13.2190,
16.7166

■ 10.2157, 12.5928,
16.6443

■ 12.2018, 13.9261,
16.7970

■ 9.4420, 12.0420,
16.5787

■ 13.4290, 14.7161,
16.8848

■ 8.8040, 11.5628,
16.5199

■ 14.8210, 15.5929,
16.9806

■ 8.2925, 11.1506,
16.4673

■ 16.3843, 16.5597,
17.0849

■ 7.8973, 10.8002,
16.4205

■ 18.1245, 17.6197,
17.1977

■ 7.6068, 10.5055,
16.3789

■ 20.0474, 18.7756,
17.3195

■ 7.3723, 10.2414,
16.3403

■ 22.1583, 20.0302,
17.4504

■ 7.3723, 10.2414,
16.3403

■ 24.4623, 21.3862,
17.5907

■ 26.9644, 22.8462,
17.7406

Harmonies

Analogous

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



10.9620, 13.2190, 14.1738



11.1327, 13.2190, 16.7166



11.6813, 13.2190, 18.8299

Triad

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



11.1327, 13.2190, 16.7166



14.0305, 13.2190, 17.1422



12.6414, 13.2190, 10.1079

Complementary

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



11.1327, 13.2190, 16.7166



10.6386, 9.5880, 8.3113

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.



13.4907, 13.2190, 10.7147



11.1327, 13.2190, 16.7166



14.3155, 13.2190, 14.6149

Square

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



11.1327, 13.2190, 16.7166



13.3513, 13.2190, 19.0949



14.1136, 13.2190, 12.2958



11.8088, 13.2190, 10.5346

Rectangle

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



11.1327, 13.2190, 16.7166



12.2010, 13.2190, 19.6083



14.1136, 13.2190, 12.2958



12.9347, 13.2190, 10.1960

Sweetspot

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



11.1331, 13.2195, 16.7169



23.7591, 25.9556, 29.6649



10.0754, 13.3053, 9.5784



5.4685, 6.0016, 6.8990



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.



11.1331, 13.2195, 16.7169



18.4030, 22.4353, 29.2677



9.5949, 10.1432, 16.2042



3.4503, 3.7659, 4.2993



8.8456, 12.2814, 19.6259



43.7346, 60.5212, 97.6558

Inverse Universe

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



11.7384, 9.6845, 15.1612



19.6646, 15.2099, 25.9933



11.9759, 12.2624, 8.7570



3.5020, 3.4485, 4.1701



10.4832, 5.0856, 14.8861



52.0552, 25.2674, 73.2799

Previews

White Background



This preview shows how the XYZ color 11.1327, 13.2190, 16.7166 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 11.1327, 13.2190, 16.7166 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 11.1327, 13.2190, 16.7166

Background



This preview shows how black text looks on a background with the XYZ color 11.1327, 13.2190, 16.7166.



This preview shows how white text looks on a background with the XYZ color 11.1327, 13.2190,

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

11.1327, 13.2190, 16.7166

Protanopia

12.7347, 13.1727, 15.5071

Deuteranopia

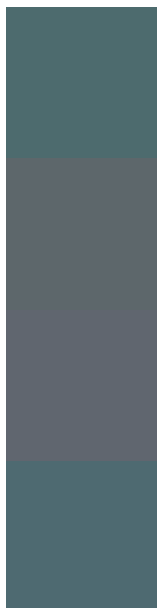
13.4499, 13.2193, 17.1719



Tritanopia

11.3904, 13.1656, 18.1605

Trichromacy



Original Color

11.1327, 13.2190, 16.7166

Protanomaly

12.0183, 13.0892, 15.8030

Deuteranomaly

12.4445, 13.1372, 16.9188

Tritanomaly

11.2766, 13.1200, 17.5609

Monochromacy



Original Color

11.1327, 13.2190, 16.7166

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.2684, 12.4403, 14.3777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.1327, 13.2190, 16.7166 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(77, 107, 110)` looks like.

```
.text, #text, p{  
    color:rgb(77, 107, 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(77, 107, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 107, 110) }
```

Border

The CSS property to change the border of an element to XYZ 11.1327, 13.2190, 16.7166 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(77, 107, 110) }
```


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

```
.border{ border-color:rgb(77, 107, 110) }
```

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

Here you see how a box with a 4 pixel rgb(77, 107, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 107, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 107, 110);  
box-shadow:4px 4px 4px 4px rgb(77, 107,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 11.1327, 13.2190, 16.7166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 107, 110) }
```

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

```
.background{ background-color: rgb(77, 107,  
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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