

Converting Colors

XYZ(13.4333, 15.4958, 20.7233)

Have a look what the booklet for
XYZ(13.4333, 15.4958, 20.7233)
contains.

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Color

**XYZ(13.3679, 15.4182,
20.6838)**

Conversions

Conversions Part 1

Format	Color
Hex	56727A
RGB	86, 114, 122
RGB Percent	34%, 45%, 48%
CMY	0.6627, 0.5529, 0.5216
CMYK	0.30, 0.07, 0.00, 0.52
HSL	193°, 17%, 41%
HSV	193°, 30%, 48%
XYZ	13.3679, 15.4182, 20.6838
YIQ	106.5400, -19.2560, -3.4480

Conversions

Conversions Part 2

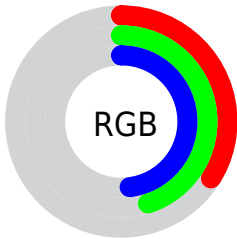
Format	Color
R_{YB}	86, 102, 122
Decimal	5665402
CIE _{Lab}	46.20, -8.09, -7.73
CIE _{LCh}	46, 11.185, 223.689
Y _{xy}	15.4182, 0.2702, 0.3117
Android (android.graphics.Color)	4283855482 (0xFF56727A)
YUV	106.5400, 7.6218, -18.0136
Hunter-Lab	39.2660, -7.9462, -3.7454

Details

The XYZ color **13.3679, 15.4182, 20.6838** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.7086, 12.8149, 10.5554**, and the grayscale version is **13.8318, 14.5521, 15.8473**.

A 20% lighter version of the original color is **31.5927, 35.6468, 45.2598**, and **3.9875, 4.8088, 7.0214** is the 20% darker color. If you saturate the color by 10%, you get **12.0380, 14.2858, 20.5356**, and if you desaturate by 10%, it is **14.8996, 16.6689, 20.8447**.

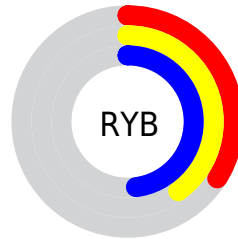
Distribution



Red (34%)

Green (45%)

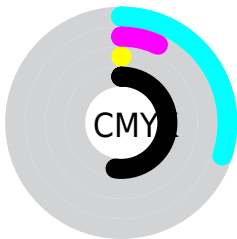
Blue (48%)



Red (34%)

Yellow (40%)

Blue (48%)

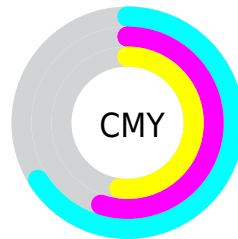


Cyan (30%)

Magenta (7%)

Yellow (0%)

Black (52%)



Cyan (66%)

Magenta (55%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3679, 15.4182, 20.6838 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 13.3679, 15.4182, 20.6838 by changing the saturation by 10% instead.

■ 13.3679, 15.4182,
20.6838

■ 13.3679, 15.4182,
20.6838

206.8525,
225.8837, 268.3189

■ 7.7611, 9.1134,
12.7041

■ 31.5589, 35.5852,
45.4346

■ 3.9930, 4.8152,
7.0968

■ 44.8738, 50.2161,
63.0428

■ 1.6982, 2.1393,
3.4433

■ 61.4888, 68.3913,
84.6976

■ 0.4551, 0.6866,
1.3252

■ 81.7692, 90.4951,
110.8175

■ 0.0000, 0.0000,
0.0823

■ 106.0805,
116.9118, 141.8210

■ 0.0000, 0.0000,
0.0000

134.7879,

148.0259, 178.1267

168.2568,
184.2217, 220.1532

■ 13.3679, 15.4182,
20.6838

■ 13.3679, 15.4182,
20.6838

■ 12.0380, 14.2858,
20.5356

■ 14.8996, 16.6689,
20.8447

■ 10.8986, 13.2645,
20.3985

■ 16.6408, 18.0407,
21.0178

■ 9.9396, 12.3495,
20.2724

■ 18.6004, 19.5389,
21.2036

■ 9.1492, 11.5345,
20.1568

■ 20.7867, 21.1676,
21.4028

■ 8.5142, 10.8126,
20.0509

■ 23.2072, 22.9310,
21.6156

■ 8.0192, 10.1757,
19.9541

■ 25.8691, 24.8329,
21.8424

■ 7.6151, 9.5985,
19.8639

■ 28.7796, 26.8770,
22.0836

■ 7.5956, 9.5705,
19.8596

■ 31.9451, 29.0669,
22.3394

■ 35.3721, 31.4058,
22.6102

Harmonies

Analogous

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



12.9438, 15.4182, 18.0618



13.3679, 15.4182, 20.6838



14.1454, 15.4182, 22.3506

Triad

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



13.3679, 15.4182, 20.6838



16.4863, 15.4182, 18.3067



14.2248, 15.4182, 12.1839

Complementary

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



13.3679, 15.4182, 20.6838



13.7086, 12.8149, 10.5554

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.



15.1757, 15.4182, 12.2342



13.3679, 15.4182, 20.6838



16.5098, 15.4182, 15.5751

Square

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



13.3679, 15.4182, 20.6838



15.9583, 15.4182, 20.8797



16.0212, 15.4182, 13.4146



13.4238, 15.4182, 13.2688

Rectangle

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



13.3679, 15.4182, 20.6838



14.7729, 15.4182, 22.5942



16.0212, 15.4182, 13.4146



14.5368, 15.4182, 12.0726

Sweetspot

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



13.3684, 15.4188, 20.6842



29.3704, 31.8120, 36.9852



12.8090, 16.7024, 13.0918



6.6267, 7.2048, 8.4481



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.3684, 15.4188, 20.6842



21.9957, 25.8396, 36.2211



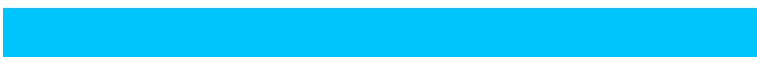
11.5520, 11.7862, 20.0787



4.0351, 4.3686, 5.0737



7.9906, 10.0636, 20.9066



37.4633, 46.6992, 99.5091

Inverse Universe

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



14.3915, 12.0084, 17.4796



24.1203, 19.0023, 29.5114



15.4782, 16.3540, 11.1453



4.1182, 4.0630, 4.8200



10.6166, 5.2228, 11.8039



50.3129, 24.7815, 54.5711

Previews

White Background



This preview shows how the XYZ color 13.3679, 15.4182, 20.6838 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 13.3679, 15.4182, 20.6838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

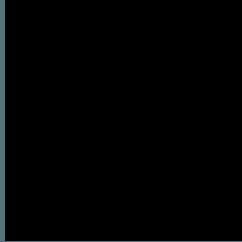
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3679, 15.4182, 20.6838

Background



This preview shows how black text looks on a background with the XYZ color 13.3679, 15.4182, 20.6838.



This preview shows how white text looks on a background with the XYZ color 13.3679, 15.4182,

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

13.3679, 15.4182, 20.6838

Protanopia

14.8169, 15.2213, 19.2966

Deuteranopia

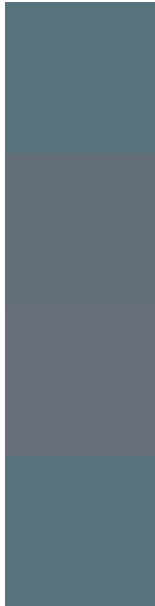
15.6022, 15.2740, 21.1946



Tritanopia

13.4302, 15.4431, 21.0119

Trichromacy



Original Color

13.3679, 15.4182, 20.6838

Protanomaly

14.1612, 15.1931, 19.6389

Deuteranomaly

14.6373, 15.2509, 20.9111

Tritanomaly

13.4302, 15.4431, 21.0119

Monochromacy



Original Color

13.3679, 15.4182, 20.6838

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.6462, 14.9744, 17.5003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3679, 15.4182, 20.6838 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(86, 114, 122) looks like.

```
.text, #text, p{  
    color:rgb(86, 114, 122)  
}
```

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(86, 114, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 114, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.3679, 15.4182, 20.6838 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(86, 114, 122) }
```


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

```
.border{ border-color:rgb(86, 114, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 114, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 114, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 114, 122);  
box-shadow:4px 4px 4px 4px rgb(86, 114,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3679, 15.4182, 20.6838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 114, 122) }
```

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

```
.background{ background-color: rgb(86, 114,  
122) }
```

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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