

Converting Colors

XYZ(13.4398, 16.0195, 21.1361)

Have a look what the booklet for
XYZ(13.4398, 16.0195, 21.1361)
contains.

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Color

**XYZ(13.4161, 15.9465,
21.1098)**

Conversions

Conversions Part 1

Format	Color
Hex	52757B
RGB	82, 117, 123
RGB Percent	32%, 46%, 48%
CMY	0.6784, 0.5412, 0.5176
CMYK	0.33, 0.05, 0.00, 0.52
HSL	189°, 20%, 40%
HSV	189°, 33%, 48%
XYZ	13.4161, 15.9465, 21.1098
YIQ	107.2190, -22.7860, -5.5540

Conversions

Conversions Part 2

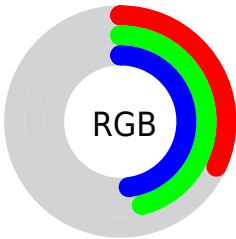
Format	Color
R_{YB}	82, 101, 123
Decimal	5404027
CIE _{Lab}	46.90, -10.80, -7.30
CIE _{LCh}	47, 13.038, 214.043
Yxy	15.9465, 0.2658, 0.3159
Android (android.graphics.Color)	4283594107 (0xFF52757B)
YUV	107.2190, 7.7800, -22.1171
Hunter-Lab	39.9331, -9.9132, -3.3893

Details

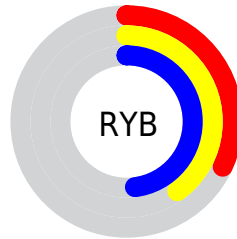
The XYZ color **13.4161, 15.9465, 21.1098** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.1813, 11.7997, 9.5657**, and the grayscale version is **14.0199, 14.7500, 16.0627**.

A 20% lighter version of the original color is **31.5987, 36.4576, 45.9290**, and **4.0238, 5.0907, 7.2491** is the 20% darker color. If you saturate the color by 10%, you get **12.2334, 15.0289, 20.9953**, and if you desaturate by 10%, it is **14.7956, 16.9723, 21.2354**.

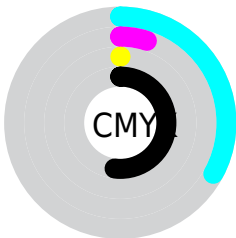
Distribution



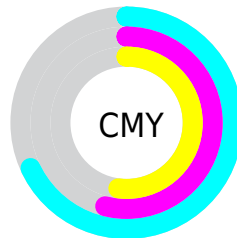
- Red (32%)
- Green (46%)
- Blue (48%)



- Red (32%)
- Yellow (40%)
- Blue (48%)



- Cyan (33%)
- Magenta (5%)
- Yellow (0%)
- Black (52%)



- Cyan (68%)
- Magenta (54%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4161, 15.9465, 21.1098 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 13.4161, 15.9465, 21.1098 by changing the saturation by 10% instead.

■ 13.4161, 15.9465,
21.1098

■ 13.4161, 15.9465,
21.1098

207.1516,
229.0258, 270.6616

■ 7.7947, 9.4863,
13.0123

■ 31.6443, 36.5053,
46.1534

■ 4.0145, 5.0597,
7.3062

■ 44.9818, 51.3727,
63.9365

■ 1.7104, 2.2823,
3.5730

■ 61.6220, 69.8113,
85.7852

■ 0.4627, 0.7643,
1.3941

■ 81.9304, 92.2054,
112.1180

■ 0.0000, 0.0000,
0.1371

■ 106.2721,
118.9396, 143.3535

■ 0.0000, 0.0000,
0.0000

135.0127,

150.3981, 179.9103

168.5174,
186.9654, 222.2068

■ 13.4161, 15.9465,
21.1098

■ 13.4161, 15.9465,
21.1098

■ 12.2334, 15.0289,
20.9953

■ 14.7956, 16.9723,
21.2354

■ 11.2357, 14.2122,
20.8902

■ 16.3799, 18.1093,
21.3713

■ 10.4124, 13.4914,
20.7945

■ 18.1784, 19.3629,
21.5185

■ 9.7509, 12.8598,
20.7075

■ 20.1994, 20.7372,
21.6772

■ 9.2370, 12.3102,
20.6285

■ 22.4509, 22.2364,
21.8480

■ 8.8531, 11.8334,
20.5567

■ 24.9403, 23.8644,
22.0310

■ 8.6273, 11.5343,
20.5108

■ 27.6748, 25.6250,
22.2267

■ 30.6613, 27.5217,
22.4354

■ 33.9064, 29.5579,
22.6574

Harmonies

Analogous

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



13.0785, 15.9465, 17.8082



13.4161, 15.9465, 21.1098



14.2196, 15.9465, 23.6239

Triad

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



13.4161, 15.9465, 21.1098



17.2088, 15.9465, 20.2507



15.0030, 15.9465, 11.8357

Complementary

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



13.4161, 15.9465, 21.1098



13.1813, 11.7997, 9.5657

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.



16.1340, 15.9465, 12.3193



13.4161, 15.9465, 21.1098



17.4441, 15.9465, 16.9253

Square

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



13.4161, 15.9465, 21.1098



16.4140, 15.9465, 23.0860



17.0416, 15.9465, 14.0881



13.9653, 15.9465, 12.6739

Rectangle

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



13.4161, 15.9465, 21.1098



14.9309, 15.9465, 24.3656



17.0416, 15.9465, 14.0881



15.3847, 15.9465, 11.8498

Sweetspot

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



13.4166, 15.9471, 21.1102



30.2843, 33.0990, 38.3492



12.3024, 16.6558, 11.6839



7.0469, 7.7353, 9.0247



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.4166, 15.9471, 21.1102



22.3738, 27.2821, 37.6434



11.3329, 11.7798, 20.4156



4.0595, 4.4173, 5.0818



8.9217, 11.9259, 21.2170



42.0739, 55.9205, 101.0460

Inverse Universe

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



14.3969, 11.5302, 18.2971



24.4522, 18.2203, 31.6121



15.0507, 15.5386, 10.1889



4.1305, 4.0679, 4.8848



11.0866, 5.4108, 14.2789



52.6401, 25.7124, 66.8262

Previews

White Background



This preview shows how the XYZ color 13.4161, 15.9465, 21.1098 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 13.4161, 15.9465, 21.1098 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

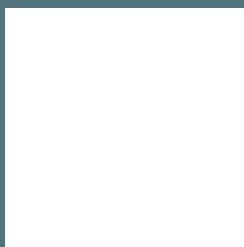
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4161, 15.9465, 21.1098

Background



This preview shows how black text looks on a background with the XYZ color 13.4161, 15.9465, 21.1098.



This preview shows how white text looks on a background with the XYZ color 13.4161, 15.9465,

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

13.4161, 15.9465, 21.1098

Protanopia

15.3361, 15.7988, 19.6939

Deuteranopia

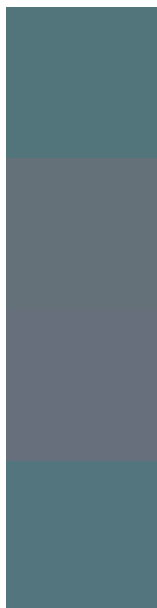
16.1345, 15.8506, 21.6111



Tritanopia

13.6945, 16.0679, 22.1183

Trichromacy



Original Color

13.4161, 15.9465, 21.1098

Protanomaly

14.5508, 15.8756, 20.0667

Deuteranomaly

14.9160, 15.7077, 21.3145

Tritanomaly

13.6302, 16.0422, 21.7801

Monochromacy



Original Color

13.4161, 15.9465, 21.1098

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.7021, 15.1578, 17.8264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4161, 15.9465, 21.1098 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(82, 117, 123)` looks like.

```
.text, #text, p{  
    color:rgb(82, 117, 123)  
}
```

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(82, 117, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 117, 123) }
```

Border

The CSS property to change the border of an element to XYZ 13.4161, 15.9465, 21.1098 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(82, 117, 123) }
```


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

```
.border{ border-color:rgb(82, 117, 123) }
```

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

Here you see how a box with a 4 pixel rgb(82, 117, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 117, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 117, 123);  
box-shadow:4px 4px 4px 4px rgb(82, 117,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4161, 15.9465, 21.1098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 117, 123) }
```

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

```
.background{ background-color: rgb(82, 117,  
123) }
```

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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