

Converting Colors

XYZ(13.5896, 15.5393, 21.3725)

Have a look what the booklet for
XYZ(13.5896, 15.5393, 21.3725)
contains.

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Color

**XYZ(13.5859, 15.5161,
21.3476)**

Conversions

Conversions Part 1

Format	Color
Hex	57727C
RGB	87, 114, 124
RGB Percent	34%, 45%, 49%
CMY	0.6588, 0.5529, 0.5137
CMYK	0.30, 0.08, 0.00, 0.51
HSL	196°, 18%, 41%
HSV	196°, 30%, 49%
XYZ	13.5859, 15.5161, 21.3476
YIQ	107.0670, -19.3020, -2.6140

Conversions

Conversions Part 2

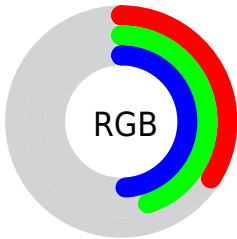
Format	Color
R_{YB}	87, 103, 124
Decimal	5730940
CIE _{Lab}	46.33, -7.25, -8.72
CIE _{LCh}	46, 11.337, 230.254
Yxy	15.5161, 0.2693, 0.3076
Android (android.graphics.Color)	4283921020 (0xFF57727C)
YUV	107.0670, 8.3480, -17.5988
Hunter-Lab	39.3905, -7.3681, -4.5588

Details

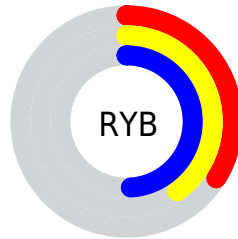
The XYZ color **13.5859, 15.5161, 21.3476** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.3074, 13.5228, 10.8733**, and the grayscale version is **13.9755, 14.7033, 16.0119**.

A 20% lighter version of the original color is **32.0533, 35.8500, 46.8253**, and **4.0933, 4.8555, 7.3781** is the 20% darker color. If you saturate the color by 10%, you get **12.1552, 14.2280, 21.1746**, and if you desaturate by 10%, it is **15.2303, 16.9357, 21.5352**.

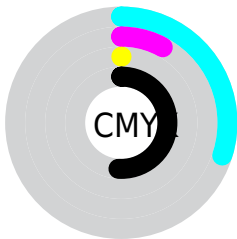
Distribution



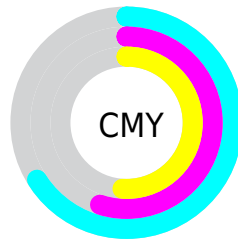
- Red (34%)
- Green (45%)
- Blue (49%)



- Red (34%)
- Yellow (40%)
- Blue (49%)



- Cyan (30%)
- Magenta (8%)
- Yellow (0%)
- Black (51%)



- Cyan (66%)
- Magenta (55%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5859, 15.5161, 21.3476 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 13.5859, 15.5161, 21.3476 by changing the saturation by 10% instead.

■ 13.5859, 15.5161,
21.3476

■ 13.5859, 15.5161,
21.3476

208.2018,
226.4691, 271.9615

■ 7.9130, 9.1824,
13.1846

■ 31.9449, 35.7561,
46.5536

■ 4.0907, 4.8603,
7.4236

■ 45.3617, 50.4311,
64.4337

■ 1.7536, 2.1656,
3.6459

■ 62.0904, 68.6554,
86.3899

■ 0.4894, 0.7011,
1.4332

■ 82.4966, 90.8133,
112.8408

■ 0.0000, 0.0000,
0.1674

■ 106.9454,
117.2892, 144.2048

■ 0.0000, 0.0000,
0.0000

135.8024,

148.4676, 180.9006

169.4327,
184.7328, 223.3467

■ 13.5859, 15.5161,
21.3476

■ 13.5859, 15.5161,
21.3476

■ 12.1552, 14.2280,
21.1746

■ 15.2303, 16.9357,
21.5352

■ 10.9265, 13.0640,
21.0147

■ 17.0966, 18.4900,
21.7368

■ 9.8890, 12.0188,
20.8677

■ 19.1941, 20.1846,
21.9534

■ 9.0304, 11.0856,
20.7328

■ 21.5315, 22.0239,
22.1852

■ 8.3367, 10.2571,
20.6094

■ 24.1167, 24.0125,
22.4328

7.7918, 9.5248,
20.4968

26.9574, 26.1543,
22.6965

7.3430, 8.8612,
20.3924

30.0608, 28.4534,
22.9767

7.3359, 8.8507,
20.3907

33.4340, 30.9135,
23.2738

37.0837, 33.5384,
23.5880

Harmonies

Analogous

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



13.0646, 15.5161, 18.8137



13.5859, 15.5161, 21.3476



14.4338, 15.5161, 22.7304

Triad

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



13.5859, 15.5161, 21.3476



16.6650, 15.5161, 17.8157



14.1107, 15.5161, 12.3586

Complementary

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



13.5859, 15.5161, 21.3476



14.3074, 13.5228, 10.8733

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.



15.0659, 15.5161, 12.1540



13.5859, 15.5161, 21.3476



16.5692, 15.5161, 15.1103

Square

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



13.5859, 15.5161, 21.3476



16.2300, 15.5161, 20.5485



15.9737, 15.5161, 13.1080



13.3583, 15.5161, 13.7014

Rectangle

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



13.5859, 15.5161, 21.3476



15.0824, 15.5161, 22.7204



15.9737, 15.5161, 13.1080



14.4178, 15.5161, 12.1606

Sweetspot

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



13.5864, 15.5167, 21.3480



30.3038, 32.7164, 38.2743



13.2899, 17.3024, 13.9163



7.0356, 7.6221, 9.0035



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.



13.5864, 15.5167, 21.3480



22.1032, 25.6908, 37.3505



11.7185, 11.7809, 20.7253



4.0198, 4.3379, 5.0686



7.4553, 8.9930, 20.7282



34.8301, 41.4328, 98.6314

Inverse Universe

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



14.7580, 12.3168, 17.5198



24.5719, 19.2497, 29.2171



16.2054, 17.3188, 11.5060



4.1105, 4.0599, 4.7793



10.3464, 5.1147, 10.3811



48.9838, 24.2498, 47.5720

Previews

White Background



This preview shows how the XYZ color 13.5859, 15.5161, 21.3476 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 13.5859, 15.5161, 21.3476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

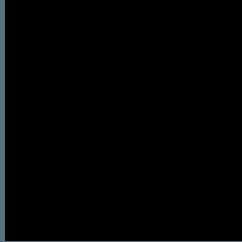
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.5859, 15.5161, 21.3476

Background



This preview shows how black text looks on a background with the XYZ color 13.5859, 15.5161, 21.3476.



This preview shows how white text looks on a background with the XYZ color 13.5859, 15.5161,

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

13.5859, 15.5161, 21.3476

Protanopia

15.1042, 15.5059, 20.2860

Deuteranopia

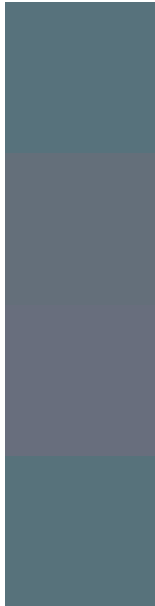
15.8336, 15.5325, 21.9022



Tritanopia

13.5229, 15.4909, 21.0162

Trichromacy



Original Color

13.5859, 15.5161, 21.3476

Protanomaly

14.4528, 15.4833, 20.6392

Deuteranomaly

14.9865, 15.5756, 21.6186

Tritanomaly

13.5229, 15.4909, 21.0162

Monochromacy



Original Color

13.5859, 15.5161, 21.3476

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.8121, 15.0534, 17.8004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5859, 15.5161, 21.3476 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(87, 114, 124)` looks like.

```
.text, #text, p{  
    color:rgb(87, 114, 124)  
}
```

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(87, 114, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 114, 124) }
```

Border

The CSS property to change the border of an element to XYZ 13.5859, 15.5161, 21.3476 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(87, 114, 124) }
```


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

```
.border{ border-color:rgb(87, 114, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 114, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 114, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 114, 124);  
box-shadow:4px 4px 4px 4px rgb(87, 114,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5859, 15.5161, 21.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 114, 124) }
```

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

```
.background{ background-color: rgb(87, 114,  
124) }
```

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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