

Converting Colors

XYZ(15.5712, 16.9959, 21.4816)

Have a look what the booklet for
XYZ(15.5712, 16.9959, 21.4816)
contains.

XYZ(15.5929, 17.0614, 21.5401)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.5929, 17.0614,
21.5401)**

Conversions

Conversions Part 1

Format	Color
Hex	67757C
RGB	103, 117, 124
RGB Percent	40%, 46%, 49%
CMY	0.5961, 0.5412, 0.5137
CMYK	0.17, 0.06, 0.00, 0.51
HSL	200°, 9%, 45%
HSV	200°, 17%, 49%
XYZ	15.5929, 17.0614, 21.5401
YIQ	113.6120, -10.5910, -0.7910

Conversions

Conversions Part 2

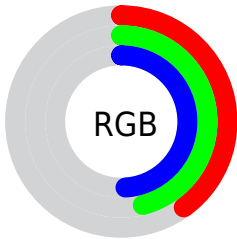
Format	Color
R_{YB}	103, 111, 124
Decimal	6780284
CIE _{Lab}	48.34, -3.60, -5.61
CIE _{LCh}	48, 6.665, 237.305
Yxy	17.0614, 0.2877, 0.3148
Android (android.graphics.Color)	4284970364 (0xFF67757C)
YUV	113.6120, 5.1213, -9.3067
Hunter-Lab	41.3054, -4.9004, -2.0049

Details

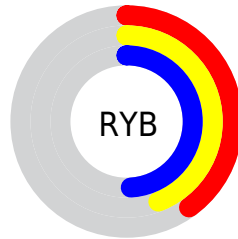
The XYZ color **15.5929, 17.0614, 21.5401** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.3364, 16.4161, 15.1399**, and the grayscale version is **15.8660, 16.6923, 18.1779**.

A 20% lighter version of the original color is **35.3509, 38.3805, 46.6193**, and **5.0290, 5.6050, 7.4734** is the 20% darker color. If you saturate the color by 10%, you get **13.8040, 15.4405, 21.3218**, and if you desaturate by 10%, it is **17.6151, 18.8349, 21.7761**.

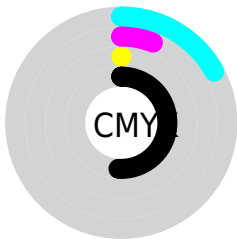
Distribution



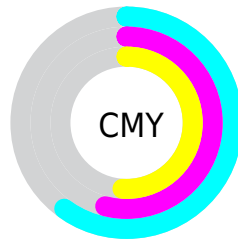
- Red (40%)
- Green (46%)
- Blue (49%)



- Red (40%)
- Yellow (44%)
- Blue (49%)



- Cyan (17%)
- Magenta (6%)
- Yellow (0%)
- Black (51%)



- Cyan (60%)
- Magenta (54%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5929, 17.0614, 21.5401 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 15.5929, 17.0614, 21.5401 by changing the saturation by 10% instead.

■ 15.5929, 17.0614,
21.5401

■ 15.5929, 17.0614,
21.5401

220.2453,
235.5260, 273.0098

■ 9.3256, 10.2783,
13.3243

■ 35.4532, 38.4313,
46.8771

■ 5.0129, 5.5839,
7.5189

■ 49.7768, 53.7869,
64.8354

■ 2.2897, 2.5937,
3.7053

■ 67.5166, 72.7687,
86.8782

■ 0.7894, 0.9235,
1.4651

■ 89.0379, 95.7613,
113.4241

■ 0.0000, 0.0000,
0.1917

114.7061,
123.1489, 144.8917

■ 0.0000, 0.0000,
0.0000

144.8865,

155.3159, 181.6995

179.9444,
192.6468, 224.2660

■ 15.5929, 17.0614,
21.5401

■ 15.5929, 17.0614,
21.5401

■ 13.8040, 15.4405,
21.3218

■ 17.6151, 18.8349,
21.7761

■ 12.2373, 13.9650,
21.1196

■ 19.8779, 20.7641,
22.0292

■ 10.8830, 12.6296,
20.9332

■ 22.3903, 22.8542,
22.3002

■ 9.7302, 11.4285,
20.7621

■ 25.1604, 25.1099,
22.5896

■ 8.7667, 10.3548,
20.6057

■ 28.1959, 27.5355,
22.8978

■ 7.9789, 9.4012,
20.4631

■ 31.5040, 30.1351,
23.2252

■ 7.3513, 8.5592,
20.3337

■ 35.0918, 32.9127,
23.5723

■ 6.8517, 7.8118,
20.2157

■ 38.9660, 35.8721,
23.9393

■ 6.7068, 7.5926,
20.1811

■ 43.1332, 39.0172,
24.3267

Harmonies

Analogous

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



15.1994, 17.0614, 20.1559



15.5929, 17.0614, 21.5401



16.1614, 17.0614, 22.1269

Triad

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



15.5929, 17.0614, 21.5401



17.4126, 17.0614, 18.7348



15.6858, 17.0614, 15.7574

Complementary

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



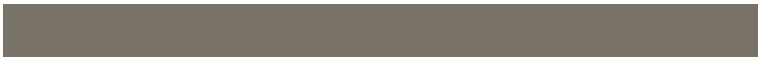
15.5929, 17.0614, 21.5401



16.3364, 16.4161, 15.1399

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.



16.2714, 17.0614, 15.4286



15.5929, 17.0614, 21.5401



17.2777, 17.0614, 17.0827

Square

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



15.5929, 17.0614, 21.5401



17.2204, 17.0614, 20.4452



16.8562, 17.0614, 15.8989



15.2521, 17.0614, 16.8261

Rectangle

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



15.5929, 17.0614, 21.5401



16.5667, 17.0614, 21.9611



16.8562, 17.0614, 15.8989



15.8710, 17.0614, 15.5597

Sweetspot

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



15.5934, 17.0621, 21.5405



31.6893, 33.7406, 38.3990



15.5969, 18.4173, 17.3853



7.4109, 7.9013, 9.0376



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.



15.5934, 17.0621, 21.5405



26.2799, 28.9849, 37.7662



14.4740, 14.8233, 21.1673



3.9999, 4.2980, 5.0620



6.8156, 7.7136, 20.5149



31.7042, 35.1811, 97.5894

Inverse Universe

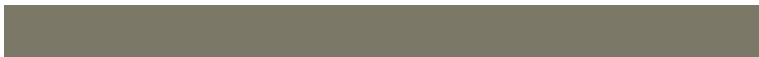
The Inverse Universe completely reimagines the original color for something new.



16.3737, 15.2703, 18.9149



27.9151, 25.3153, 32.2451



17.4952, 18.7337, 15.5262



4.1004, 4.0559, 4.7263



10.0235, 4.9856, 8.6807



47.4060, 23.6187, 39.2635

Previews

White Background



This preview shows how the XYZ color 15.5929, 17.0614, 21.5401 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 15.5929, 17.0614, 21.5401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

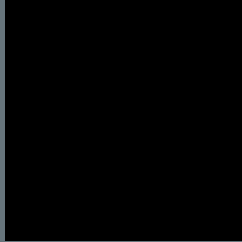
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

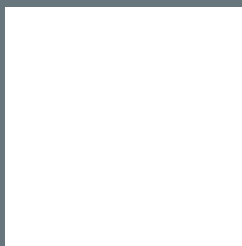
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.5929, 17.0614, 21.5401

Background



This preview shows how black text looks on a background with the XYZ color 15.5929, 17.0614, 21.5401.



This preview shows how white text looks on a background with the XYZ color 15.5929, 17.0614,

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

15.5929, 17.0614, 21.5401

Protanopia

16.4696, 17.0172, 20.8290

Deuteranopia

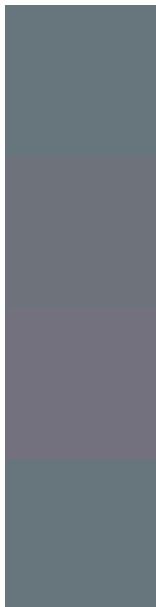
17.2713, 16.9145, 21.7566



Tritanopia

15.7207, 17.1125, 22.2131

Trichromacy



Original Color

15.5929, 17.0614, 21.5401

Protanomaly

16.1363, 17.0065, 21.1710

Deuteranomaly

16.5462, 16.8683, 21.7859

Tritanomaly

15.6565, 17.0868, 21.8749

Monochromacy



Original Color

15.5929, 17.0614, 21.5401

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.8312, 16.8845, 19.5642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5929, 17.0614, 21.5401 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(103, 117, 124)` looks like.

```
.text, #text, p{  
    color:rgb(103, 117, 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(103, 117, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 117, 124) }
```

Border

The CSS property to change the border of an element to XYZ 15.5929, 17.0614, 21.5401 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(103, 117, 124) }
```


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

```
.border{ border-color:rgb(103, 117, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 117, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 117, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 117, 124);  
box-shadow:4px 4px 4px 4px rgb(103, 117,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5929, 17.0614, 21.5401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 117, 124) }
```

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

```
.background{ background-color: rgb(103,  
117, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor