

Converting Colors

XYZ(15.5089, 16.0195, 22.3969)

Have a look what the booklet for
XYZ(15.5089, 16.0195, 22.3969)
contains.

XYZ(15.4591, 15.9654, 22.3455)	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(15.4591, 15.9654,
22.3455)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6F7F
RGB	106, 111, 127
RGB Percent	42%, 44%, 50%
CMY	0.5843, 0.5647, 0.5020
CMYK	0.17, 0.13, 0.00, 0.50
HSL	226°, 9%, 46%
HSV	226°, 17%, 50%
XYZ	15.4591, 15.9654, 22.3455
YIQ	111.3290, -8.1160, 3.9160

Conversions

Conversions Part 2

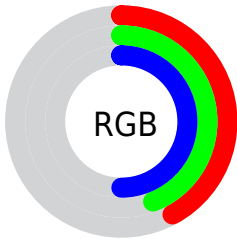
Format	Color
R_{YB}	106, 110, 127
Decimal	6975359
CIE Lab	46.93, 1.68, -9.47
CIE LCh	47, 9.621, 280.084
Yxy	15.9654, 0.2875, 0.2969
Android (android.graphics.Color)	4285165439 (0xFF6A6F7F)
YUV	111.3290, 7.7258, -4.6735
Hunter-Lab	39.9567, -0.8633, -5.1878

Details

The XYZ color **15.4591, 15.9654, 22.3455** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.3136, 19.4717, 16.4293**, and the grayscale version is **15.1854, 15.9762, 17.3981**.

A 20% lighter version of the original color is **35.2400, 36.6578, 48.3983**, and **4.8976, 5.0046, 7.9156** is the 20% darker color. If you saturate the color by 10%, you get **13.0611, 13.2463, 21.9473**, and if you desaturate by 10%, it is **18.1960, 19.0298, 22.7930**.

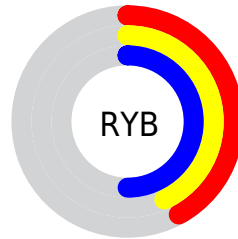
Distribution



Red (42%)

Green (44%)

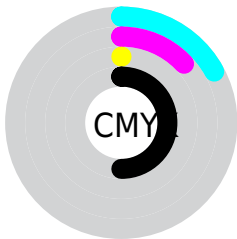
Blue (50%)



Red (42%)

Yellow (43%)

Blue (50%)

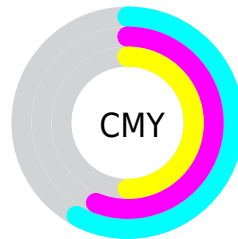


Cyan (17%)

Magenta (13%)

Yellow (0%)

Black (50%)



Cyan (58%)

Magenta (56%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4591, 15.9654, 22.3455 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 15.4591, 15.9654, 22.3455 by changing the saturation by 10% instead.

■ 15.4591, 15.9654,
22.3455

■ 15.4591, 15.9654,
22.3455

219.4622,
229.1375, 277.3574

■ 9.2306, 9.4997,
13.9102

■ 35.2217, 36.5381,
48.2259

■ 4.9502, 5.0685,
7.9202

■ 49.4865, 51.4139,
66.5081

■ 2.2525, 2.2875,
3.9569

■ 67.1608, 69.8618,
88.9096

■ 0.7702, 0.7671,
1.6017

■ 88.6099, 92.2663,
115.8492

■ 0.0000, 0.0000,
0.2921

114.1993,
119.0117, 147.7452

■ 0.0000, 0.0000,
0.0000

144.2942,

150.4824, 185.0162

179.2601,
187.0629, 228.0808

■ 15.4591, 15.9654,
22.3455

■ 15.4591, 15.9654,
22.3455

■ 13.0611, 13.2463,
21.9473

■ 18.1960, 19.0298,
22.7930

■ 10.9871, 10.8582,
21.5957

■ 21.2830, 22.4492,
23.2903

■ 9.2234, 8.7888,
21.2892

■ 24.7325, 26.2354,
23.8393

■ 7.7543, 7.0240,
21.0260

■ 28.5560, 30.3989,
24.4414

■ 6.5631, 5.5489,
20.8040

■ 32.7644, 34.9500,
25.0981

■ 5.6313, 4.3470,
20.6212

■ 37.3682, 39.8984,
25.8106

■ 4.9377, 3.4002,
20.4750

■ 42.3773, 45.2536,
26.5802

■ 4.4465, 2.6820,
20.3622

■ 47.8015, 51.0247,
27.4082

■ 4.3014, 2.4734,
20.3296

■ 53.6502, 57.2205,
28.2959

Harmonies

Analogous

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



14.6312, 15.9654, 22.1039



15.4591, 15.9654, 22.3455



16.2383, 15.9654, 21.1671

Triad

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



15.4591, 15.9654, 22.3455



16.4439, 15.9654, 14.5728



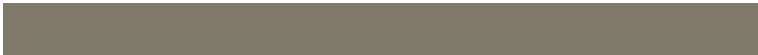
13.7066, 15.9654, 15.8555

Complementary

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



15.4591, 15.9654, 22.3455



18.3136, 19.4717, 16.4293

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.



14.1585, 15.9654, 14.0801



15.4591, 15.9654, 22.3455



15.7313, 15.9654, 13.3883

Square

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



15.4591, 15.9654, 22.3455



16.8205, 15.9654, 16.5865



14.8937, 15.9654, 13.2167



13.6398, 15.9654, 18.2059

Rectangle

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



15.4591, 15.9654, 22.3455



16.6176, 15.9654, 19.7934



14.8937, 15.9654, 13.2167



13.8177, 15.9654, 15.1778

Sweetspot

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



15.4596, 15.9661, 22.3459



33.3284, 34.9053, 40.9371



17.0309, 19.6422, 21.2252



7.7299, 8.0909, 9.5726



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.4596, 15.9661, 22.3459



25.9204, 26.5992, 39.7243



15.5722, 15.2365, 22.1991



4.1856, 4.3652, 5.4352



4.3370, 2.4925, 20.5025



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.7761, 15.9682, 17.2377



28.7766, 26.6538, 28.6308



18.1819, 20.3390, 16.6036



4.3665, 4.3598, 4.7346



9.0661, 4.6461, 1.6719



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.4591, 15.9654, 22.3455 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 15.4591, 15.9654, 22.3455 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

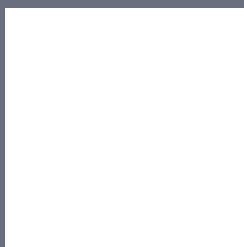
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.4591, 15.9654, 22.3455

Background



This preview shows how black text looks on a background with the XYZ color 15.4591, 15.9654, 22.3455.



This preview shows how white text looks on a background with the XYZ color 15.4591, 15.9654,

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

15.4591, 15.9654, 22.3455

Protanopia

15.7134, 15.9354, 22.3263

Deuteranopia

16.1983, 15.8610, 22.6298



Tritanopia

15.0711, 15.9721, 20.3777

Trichromacy



Original Color

15.4591, 15.9654, 22.3455

Protanomaly

15.5910, 15.8723, 22.3206

Deuteranomaly

15.9205, 15.8753, 22.6472

Tritanomaly

15.1950, 16.0217, 21.0305

Monochromacy



Original Color

15.4591, 15.9654, 22.3455

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.2020, 15.9044, 19.0983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4591, 15.9654, 22.3455 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(106, 111, 127)` looks like.

```
.text, #text, p{  
    color:rgb(106, 111, 127)  
}
```

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(106, 111, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 111, 127) }
```

Border

The CSS property to change the border of an element to XYZ 15.4591, 15.9654, 22.3455 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(106, 111, 127) }
```


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

```
.border{ border-color:rgb(106, 111, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 111, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 111, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 111, 127);  
box-shadow:4px 4px 4px 4px rgb(106, 111,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4591, 15.9654, 22.3455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 111, 127) }
```

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

```
.background{ background-color: rgb(106,  
111, 127) }
```

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