

Converting Colors

XYZ(12.0509, 15.0172, 21.3637)

Have a look what the booklet for
XYZ(12.0509, 15.0172, 21.3637)
contains.

XYZ(12.0635, 15.0698, 21.3417)	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(12.0635, 15.0698,
21.3417)**

Conversions

Conversions Part 1

Format	Color
Hex	41747C
RGB	65, 116, 124
RGB Percent	25%, 45%, 49%
CMY	0.7451, 0.5451, 0.5137
CMYK	0.48, 0.06, 0.00, 0.51
HSL	188°, 31%, 37%
HSV	188°, 48%, 49%
XYZ	12.0635, 15.0698, 21.3417
YIQ	101.6630, -32.9640, -8.3240

Conversions

Conversions Part 2

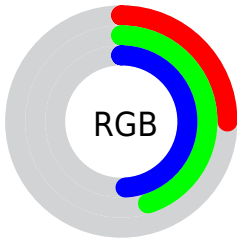
Format	Color
R _{YB}	65, 92, 124
Decimal	4289660
CIE Lab	45.73, -14.80, -9.75
CIE LCh	46, 17.722, 213.364
Yxy	15.0698, 0.2489, 0.3109
Android (android.graphics.Color)	4282479740 (0xFF41747C)
YUV	101.6630, 11.0121, -32.1535
Hunter-Lab	38.8198, -12.4648, -5.4215

Details

The XYZ color **12.0635, 15.0698, 21.3417** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.6493, 9.4323, 6.2083**, and the grayscale version is **12.5203, 13.1723, 14.3447**.

A 20% lighter version of the original color is **29.1752, 34.9218, 46.2772**, and **3.4247, 4.6874, 7.3809** is the 20% darker color. If you saturate the color by 10%, you get **11.1391, 14.3085, 21.2437**, and if you desaturate by 10%, it is **13.1726, 15.9322, 21.4500**.

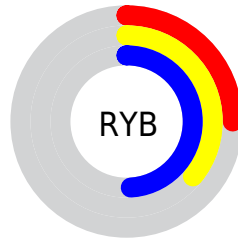
Distribution



Red (25%)

Green (45%)

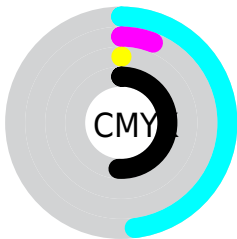
Blue (49%)



Red (25%)

Yellow (36%)

Blue (49%)

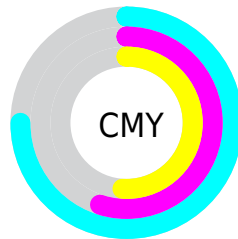


Cyan (48%)

Magenta (6%)

Yellow (0%)

Black (51%)



Cyan (75%)

Magenta (55%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0635, 15.0698, 21.3417 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 12.0635, 15.0698, 21.3417 by changing the saturation by 10% instead.

■ 12.0635, 15.0698,
21.3417

■ 12.0635, 15.0698,
21.3417

■ 198.5866,
223.7883, 271.9294

■ 6.8594, 8.8684,
13.1803

■ 29.2266, 34.9756,
46.5437

■ 3.4199, 4.6554,
7.4207

■ 41.9163, 49.4487,
64.4214

■ 1.3795, 2.0465,
3.6441

■ 57.8319, 67.4479,
86.3749

■ 0.2416, 0.6343,
1.4322

■ 77.3389, 89.3576,
112.8228

■ 0.0000, 0.0000,
0.1667

■ 100.8024,
115.5620, 144.1837

■ 0.0000, 0.0000,
0.0000

128.5880,

146.4457, 180.8761

161.0609,
182.3930, 223.3184

■ 12.0635, 15.0698,
21.3417

■ 12.0635, 15.0698,
21.3417

■ 11.1391, 14.3085,
21.2437

■ 13.1726, 15.9322,
21.4500

■ 10.3861, 13.6404,
21.1545

■ 14.4758, 16.8996,
21.5680

■ 9.7915, 13.0591,
21.0736

■ 15.9837, 17.9778,
21.6966

■ 9.3400, 12.5566,
21.0004

■ 17.7055, 19.1715,
21.8363

■ 8.9957, 12.1146,
20.9332

■ 19.6501, 20.4854,
21.9874

■ 8.9155, 12.0099,
20.9173

■ 21.8255, 21.9236,
22.1504

■ 24.2397, 23.4903,
22.3255

■ 26.9001, 25.1893,
22.5133

■ 29.8138, 27.0243,
22.7139

Harmonies

Analogous

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



11.6520, 15.0698, 16.8941



12.0635, 15.0698, 21.3417



13.0782, 15.0698, 24.8800

Triad

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



12.0635, 15.0698, 21.3417



17.0371, 15.0698, 20.3645



14.1561, 15.0698, 9.5106

Complementary

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



12.0635, 15.0698, 21.3417



11.6493, 9.4323, 6.2083

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.



15.6452, 15.0698, 10.1180



12.0635, 15.0698, 21.3417



17.3747, 15.0698, 15.9322

Square

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



12.0635, 15.0698, 21.3417



15.9558, 15.0698, 24.2506



16.8492, 15.0698, 12.3008



12.8063, 15.0698, 10.4705

Rectangle

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



12.0635, 15.0698, 21.3417



13.9952, 15.0698, 25.9712



16.8492, 15.0698, 12.3008



14.6567, 15.0698, 9.5390

Sweetspot

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



12.0640, 15.0704, 21.3421



29.0686, 32.2954, 38.2582



10.5863, 16.0188, 8.8148



6.7209, 7.5186, 9.0001



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.



12.0640, 15.0704, 21.3421



19.4888, 25.0824, 37.3708



9.1972, 9.3368, 20.3865



4.0630, 4.4242, 5.0830



9.0620, 12.2064, 21.2637



42.7711, 57.3148, 101.2784

Inverse Universe

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



13.3553, 9.3272, 17.6199



22.1244, 13.9523, 29.6414



14.0542, 14.2422, 7.0099



4.1322, 4.0686, 4.8940



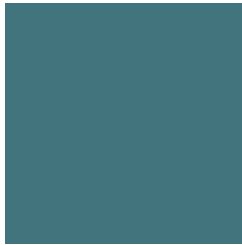
11.1574, 5.4391, 14.6516



52.9920, 25.8531, 68.6791

Previews

White Background



This preview shows how the XYZ color 12.0635, 15.0698, 21.3417 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 12.0635, 15.0698, 21.3417 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

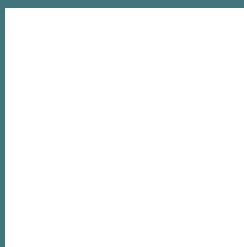
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0635, 15.0698, 21.3417

Background



This preview shows how black text looks on a background with the XYZ color 12.0635, 15.0698, 21.3417.



This preview shows how white text looks on a background with the XYZ color 12.0635, 15.0698,

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

12.0635, 15.0698, 21.3417

Protanopia

14.5911, 14.9492, 19.2560

Deuteranopia

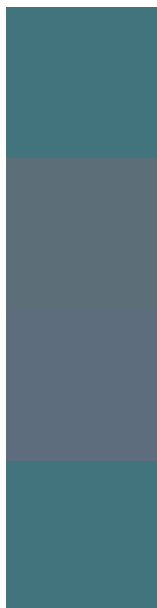
15.1241, 14.8607, 21.8099



Tritanopia

12.1270, 15.0953, 21.6766

Trichromacy



Original Color

12.0635, 15.0698, 21.3417

Protanomaly

13.3797, 14.7832, 19.9176

Deuteranomaly

13.6845, 14.7451, 21.5269

Tritanomaly

12.1270, 15.0953, 21.6766

Monochromacy



Original Color

12.0635, 15.0698, 21.3417

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.1920, 13.7650, 16.7662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0635, 15.0698, 21.3417 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(65, 116, 124)` looks like.

```
.text, #text, p{  
    color:rgb(65, 116, 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(65, 116, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 116, 124) }
```

Border

The CSS property to change the border of an element to XYZ 12.0635, 15.0698, 21.3417 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(65, 116, 124) }
```


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

```
.border{ border-color:rgb(65, 116, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 116, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 116, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 116, 124);  
box-shadow:4px 4px 4px 4px rgb(65, 116,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0635, 15.0698, 21.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 116, 124) }
```

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

```
.background{ background-color: rgb(65, 116,  
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