

Converting Colors

XYZ(12.6282, 15.4673, 20.8627)

Have a look what the booklet for
XYZ(12.6282, 15.4673, 20.8627)
contains.

XYZ(12.6218, 15.5442, 20.7474)	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(12.6218, 15.5442,
20.7474)**

Conversions

Conversions Part 1

Format	Color
Hex	49757A
RGB	73, 117, 122
RGB Percent	29%, 46%, 48%
CMY	0.7137, 0.5412, 0.5216
CMYK	0.40, 0.04, 0.00, 0.52
HSL	186°, 25%, 38%
HSV	186°, 40%, 48%
XYZ	12.6218, 15.5442, 20.7474
YIQ	104.4140, -27.8290, -7.7730

Conversions

Conversions Part 2

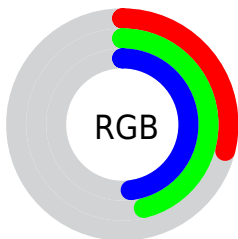
Format	Color
R_{YB}	73, 96, 122
Decimal	4814202
CIE _{Lab}	46.37, -13.75, -7.55
CIE _{LCh}	46, 15.685, 208.785
Yxy	15.5442, 0.2580, 0.3178
Android (android.graphics.Color)	4283004282 (0xFF49757A)
YUV	104.4140, 8.6699, -27.5501
Hunter-Lab	39.4261, -11.8511, -3.6022

Details

The XYZ color **12.6218, 15.5442, 20.7474** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.9532, 10.0676, 7.6170**, and the grayscale version is **13.2523, 13.9425, 15.1834**.

A 20% lighter version of the original color is **30.1401, 35.7170, 45.3499**, and **3.6616, 4.9079, 7.0577** is the 20% darker color. If you saturate the color by 10%, you get **11.6427, 14.8260, 20.6606**, and if you desaturate by 10%, it is **13.7851, 16.3610, 20.8440**.

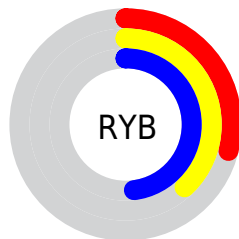
Distribution



Red (29%)

Green (46%)

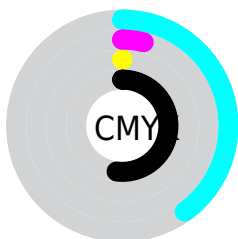
Blue (48%)



Red (29%)

Yellow (38%)

Blue (48%)

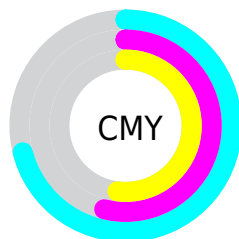


Cyan (40%)

Magenta (4%)

Yellow (0%)

Black (52%)



Cyan (71%)

Magenta (54%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6218, 15.5442, 20.7474 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 12.6218, 15.5442, 20.7474 by changing the saturation by 10% instead.

■ 12.6218, 15.5442,
20.7474

■ 12.6218, 15.5442,
20.7474

202.1664,
226.6369, 268.6698

■ 7.2438, 9.2022,
12.7500

■ 30.2298, 35.8051,
45.5421

■ 3.6627, 4.8733,
7.1280

■ 43.1905, 50.4928,
63.1765

■ 1.5132, 2.1731,
3.4626

■ 59.4095, 68.7311,
84.8603

■ 0.3348, 0.7053,
1.3354

■ 79.2521, 90.9045,
111.0121

■ 0.0000, 0.0000,
0.0906

■ 103.0838,
117.3974, 142.0504

■ 0.0000, 0.0000,
0.0000

131.2698,

148.5942, 178.3938

164.1756,
184.8792, 220.4607

■ 12.6218, 15.5442,
20.7474

■ 12.6218, 15.5442,
20.7474

■ 11.6427, 14.8260,
20.6606

■ 13.7851, 16.3610,
20.8440

■ 10.8358, 14.1990,
20.5822

■ 15.1411, 17.2796,
20.9499

■ 10.1897, 13.6578,
20.5117

■ 16.6993, 18.3054,
21.0657

■ 9.6912, 13.1955,
20.4488

■ 18.4681, 19.4426,
21.1920

■ 9.3249, 12.8041,
20.3925

■ 20.4557, 20.6955,
21.3291

■ 9.0409, 12.4612,
20.3413

■ 22.6697, 22.0680,
21.4773

■ 25.1172, 23.5639,
21.6370

■ 27.8051, 25.1866,
21.8086

■ 30.7402, 26.9397,
21.9923

Harmonies

Analogous

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



12.3368, 15.5442, 16.7684



12.6218, 15.5442, 20.7474



13.4742, 15.5442, 24.0817

Triad

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



12.6218, 15.5442, 20.7474



17.0980, 15.5442, 21.0606



14.8292, 15.5442, 10.5480

Complementary

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



12.6218, 15.5442, 20.7474



11.9532, 10.0676, 7.6170

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.



16.1554, 15.5442, 11.3485



12.6218, 15.5442, 20.7474



17.5134, 15.5442, 17.0826

Square

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



12.6218, 15.5442, 20.7474



16.0548, 15.5442, 24.2809



17.1586, 15.5442, 13.6035



13.5638, 15.5442, 11.2286

Rectangle

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



12.6218, 15.5442, 20.7474



14.2770, 15.5442, 25.2784



17.1586, 15.5442, 13.6035



15.2830, 15.5442, 10.6503

Sweetspot

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



12.6223, 15.5448, 20.7478



28.7651, 31.8043, 37.0157



11.0791, 15.8844, 9.6714



6.5146, 7.2311, 8.4591



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.6223, 15.5448, 20.7478



20.6419, 26.2027, 36.3626



10.1402, 10.5807, 19.9204



4.0738, 4.4459, 5.0866



9.5151, 13.1127, 21.4148



45.0284, 61.8293, 102.0308

Inverse Universe

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



13.6198, 10.1874, 18.0788



22.6875, 15.5594, 30.8132



14.0197, 14.2005, 8.3058



4.1377, 4.0708, 4.9229



11.3861, 5.5306, 15.8561



54.1314, 26.3089, 74.6790

Previews

White Background



This preview shows how the XYZ color 12.6218, 15.5442, 20.7474 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 12.6218, 15.5442, 20.7474 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 12.6218, 15.5442, 20.7474

Background



This preview shows how black text looks on a background with the XYZ color 12.6218, 15.5442, 20.7474.



This preview shows how white text looks on a background with the XYZ color 12.6218, 15.5442,

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

12.6218, 15.5442, 20.7474

Protanopia

14.9862, 15.4728, 19.0263

Deuteranopia

15.7058, 15.4813, 21.2292



Tritanopia

12.8353, 15.4530, 22.0449

Trichromacy



Original Color

12.6218, 15.5442, 20.7474

Protanomaly

13.9478, 15.4070, 19.6915

Deuteranomaly

14.2966, 15.3956, 20.9570

Tritanomaly

12.7711, 15.4273, 21.7067

Monochromacy



Original Color

12.6218, 15.5442, 20.7474

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8521, 14.4121, 17.1434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6218, 15.5442, 20.7474 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(73, 117, 122)` looks like.

```
.text, #text, p{  
  color:rgb(73, 117, 122)  
}
```

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(73, 117, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 117, 122) }
```

Border

The CSS property to change the border of an element to XYZ 12.6218, 15.5442, 20.7474 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(73, 117, 122) }
```


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

```
.border{ border-color:rgb(73, 117, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 117, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 117, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 117, 122);  
box-shadow:4px 4px 4px 4px rgb(73, 117,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6218, 15.5442, 20.7474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 117, 122) }
```

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

```
.background{ background-color: rgb(73, 117,  
122) }
```

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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