

Converting Colors

XYZ(12.5725, 15.7207, 19.5113)

Have a look what the booklet for
XYZ(12.5725, 15.7207, 19.5113)
contains.

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Color

**XYZ(12.5725, 15.7207,
19.5113)**

Conversions

Conversions Part 1

Format	Color
Hex	4A7676
RGB	74, 118, 118
RGB Percent	29%, 46%, 46%
CMY	0.7098, 0.5372, 0.5373
CMYK	0.37, 0.00, 0.00, 0.54
HSL	180°, 23%, 38%
HSV	180°, 37%, 46%
XYZ	12.5725, 15.7207, 19.5113
YIQ	104.8440, -26.2240, -9.3280

Conversions

Conversions Part 2

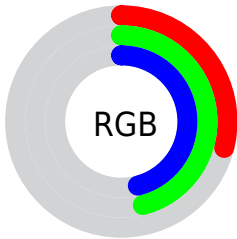
Format	Color
R_{YB}	74, 96, 118
Decimal	4879990
CIE _{Lab}	46.61, -15.09, -4.81
CIE _{LCh}	47, 15.842, 197.692
Yxy	15.7207, 0.2630, 0.3289
Android (android.graphics.Color)	4283070070 (0xFF4A7676)
YUV	104.8440, 6.4859, -27.0502
Hunter-Lab	39.6493, -12.7854, -1.4219

Details

The XYZ color **12.5725, 15.7207, 19.5113** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.1566, 9.2440, 7.6754**, and the grayscale version is **13.3735, 14.0700, 15.3222**.

A 20% lighter version of the original color is **30.0879, 36.0117, 43.3954**, and **3.6103, 4.8926, 6.5484** is the 20% darker color. If you saturate the color by 10%, you get **11.7480, 15.2961, 19.4730**, and if you desaturate by 10%, it is **13.5684, 16.2345, 19.5583**.

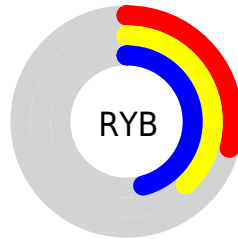
Distribution



Red (29%)

Green (46%)

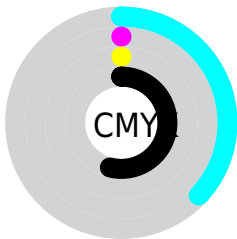
Blue (46%)



Red (29%)

Yellow (38%)

Blue (46%)

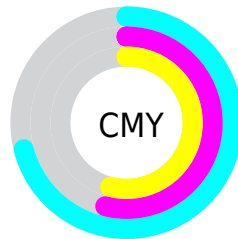


Cyan (37%)

Magenta (0%)

Yellow (0%)

Black (54%)



Cyan (71%)

Magenta (54%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5725, 15.7207, 19.5113 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 12.5725, 15.7207, 19.5113 by changing the saturation by 10% instead.

■ 12.5725, 15.7207,
19.5113

■ 12.5725, 15.7207,
19.5113

201.8529,
227.6879, 261.7732

■ 7.2098, 9.3267,
11.8598

■ 30.1415, 36.1126,
43.4445

■ 3.6411, 4.9549,
6.5269

■ 43.0785, 50.8794,
60.5632

■ 1.5012, 2.2208,
3.0941

■ 59.2710, 69.2059,
81.6747

■ 0.3266, 0.7313,
1.1429

■ 79.0843, 91.4765,
107.1975

■ 0.0000, 0.0000,
0.0000

■ 102.8837,
118.0756, 137.5503

131.0348,

149.3876, 173.1514

163.9027,
185.7969, 214.4196

■ 12.5725, 15.7207,
19.5113

■ 12.5725, 15.7207,
19.5113

■ 11.7480, 15.2961,
19.4730

■ 13.5684, 16.2345,
19.5583

■ 11.0840, 14.9537,
19.4418

■ 14.7430, 16.8400,
19.6134

■ 10.5704, 14.6890,
19.4176

■ 16.1052, 17.5422,
19.6773

■ 10.1954, 14.4957,
19.4000

■ 17.6625, 18.3451,
19.7503

■ 9.9457, 14.3669,
19.3882

■ 19.4222, 19.2522,
19.8327

■ 9.7887, 14.2860,
19.3808

■ 21.3913, 20.2673,
19.9250

■ 9.7486, 14.2653,
19.3788

■ 23.5763, 21.3937,
20.0273

■ 25.9835, 22.6347,
20.1401

■ 28.6189, 23.9933,
20.2635

Harmonies

Analogous

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



12.5156, 15.7207, 15.5603



12.5725, 15.7207, 19.5113



13.2397, 15.7207, 23.3178

Triad

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



12.5725, 15.7207, 19.5113



16.9740, 15.7207, 22.7080



15.5101, 15.7207, 10.7590

Complementary

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



12.5725, 15.7207, 19.5113



11.1566, 9.2440, 7.6754

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.



16.7844, 15.7207, 12.1265



12.5725, 15.7207, 19.5113



17.6635, 15.7207, 18.7745

Square

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



12.5725, 15.7207, 19.5113



15.7562, 15.7207, 25.3483



17.5921, 15.7207, 14.9274



14.1565, 15.7207, 10.8940

Rectangle

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



12.5725, 15.7207, 19.5113



13.9652, 15.7207, 25.0795



17.5921, 15.7207, 14.9274



15.9634, 15.7207, 11.0484

Sweetspot

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



12.5730, 15.7213, 19.5117



27.3219, 30.3308, 34.5512



10.5958, 14.9370, 8.8037



6.2253, 6.9445, 7.9412



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.5730, 15.7213, 19.5117



20.8104, 26.9741, 34.2458



10.3447, 11.2646, 18.7693



3.7833, 4.1553, 4.6929



10.5462, 15.4325, 20.9644



51.3931, 75.2045, 102.1618

Inverse Universe

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



11.1566, 9.2440, 7.6754



17.9250, 13.7787, 10.1335



12.8241, 12.5791, 8.2311



3.6840, 3.7009, 3.8625



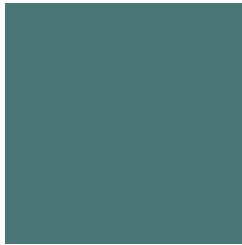
8.0828, 4.1668, 0.3784



39.3886, 20.3055, 1.8436

Previews

White Background



This preview shows how the XYZ color 12.5725, 15.7207, 19.5113 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 12.5725, 15.7207, 19.5113 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 12.5725, 15.7207, 19.5113

Background



This preview shows how black text looks on a background with the XYZ color 12.5725, 15.7207, 19.5113.



This preview shows how white text looks on a background with the XYZ color 12.5725, 15.7207,

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

12.5725, 15.7207, 19.5113

Protanopia

15.0048, 15.5090, 17.8255

Deuteranopia

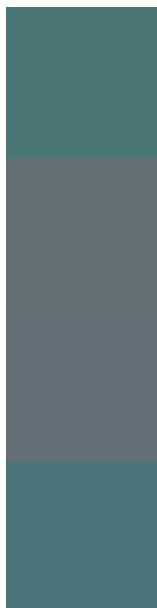
15.8503, 15.5845, 19.9420



Tritanopia

13.1077, 15.7654, 22.0908

Trichromacy



Original Color

12.5725, 15.7207, 19.5113

Protanomaly

13.9257, 15.4228, 18.4626

Deuteranomaly

14.3810, 15.4675, 19.6803

Tritanomaly

12.8381, 15.6485, 21.0827

Monochromacy



Original Color

12.5725, 15.7207, 19.5113

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.0065, 14.6573, 16.8955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5725, 15.7207, 19.5113 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(74, 118, 118)` looks like.

```
.text, #text, p{  
    color:rgb(74, 118, 118)  
}
```

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(74, 118, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 118, 118) }
```

Border

The CSS property to change the border of an element to XYZ 12.5725, 15.7207, 19.5113 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(74, 118, 118) }
```


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

```
.border{ border-color:rgb(74, 118, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 118, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 118, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 118, 118);  
box-shadow:4px 4px 4px 4px rgb(74, 118,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5725, 15.7207, 19.5113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 118, 118) }
```

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

```
.background{ background-color: rgb(74, 118,  
118) }
```

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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