

Converting Colors

XYZ(12.6040, 16.4443, 19.9625)

Have a look what the booklet for
XYZ(12.6040, 16.4443, 19.9625)
contains.

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Color

**XYZ(12.6040, 16.4443,
19.9625)**

Conversions

Conversions Part 1

Format	Color
Hex	437A77
RGB	67, 122, 119
RGB Percent	26%, 48%, 47%
CMY	0.7373, 0.5216, 0.5333
CMYK	0.45, 0.00, 0.02, 0.52
HSL	177°, 29%, 37%
HSV	177°, 45%, 48%
XYZ	12.6040, 16.4443, 19.9625
YIQ	105.2130, -31.8170, -12.5930

Conversions

Conversions Part 2

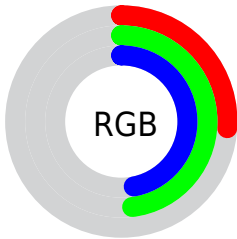
Format	Color
R_{YB}	67, 95, 122
Decimal	4422263
CIE _{Lab}	47.55, -18.96, -4.05
CIE _{LCh}	48, 19.386, 192.046
Yxy	16.4443, 0.2572, 0.3355
Android (android.graphics.Color)	4282612343 (0xFF437A77)
YUV	105.2130, 6.7970, -33.5128
Hunter-Lab	40.5516, -15.4849, -0.8008

Details

The XYZ color **12.6040, 16.4443, 19.9625** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.1392, 8.5944, 6.8666**, and the grayscale version is **13.4737, 14.1753, 15.4370**.

A 20% lighter version of the original color is **30.2884, 37.5222, 44.1742**, and **3.6579, 5.2912, 6.7897** is the 20% darker color. If you saturate the color by 10%, you get **11.8145, 16.0423, 19.7179**, and if you desaturate by 10%, it is **13.5710, 16.9386, 20.2176**.

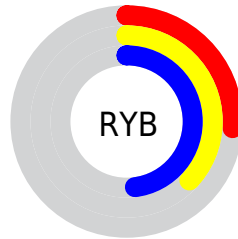
Distribution



Red (26%)

Green (48%)

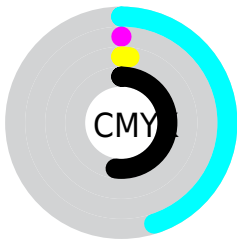
Blue (47%)



Red (26%)

Yellow (37%)

Blue (48%)

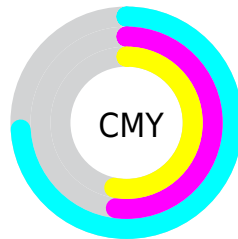


Cyan (45%)

Magenta (0%)

Yellow (2%)

Black (52%)



Cyan (74%)

Magenta (52%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6040, 16.4443, 19.9625 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 12.6040, 16.4443, 19.9625 by changing the saturation by 10% instead.

■ 12.6040, 16.4443,
19.9625

■ 12.6040, 16.4443,
19.9625

202.0532,
231.9494, 264.3096

■ 7.2315, 9.8391,
12.1840

■ 30.1979, 37.3678,
44.2124

■ 3.6549, 5.2924,
6.7450

■ 43.1501, 52.4549,
61.5210

■ 1.5088, 2.4198,
3.2271

■ 59.3595, 71.1381,
82.8432

■ 0.3318, 0.8361,
1.2118

■ 79.1916, 93.8018,
108.5977

■ 0.0000, 0.0000,
0.0000

■ 103.0116,
120.8304, 139.2031

131.1850,

152.6083, 175.0778

164.0771,
189.5198, 216.6405

■ 12.6040, 16.4443,
19.9625

■ 12.6040, 16.4443,
19.9625

■ 11.8145, 16.0423,
19.7179

■ 13.5710, 16.9386,
20.2176

■ 11.1898, 15.7248,
19.4821

■ 14.7243, 17.5285,
20.4825

■ 10.7181, 15.4862,
19.2549

■ 16.0737, 18.2194,
20.7581

■ 10.3851, 15.3190,
19.0356

■ 17.6281, 19.0160,
21.0448

■ 10.1683, 15.2117,
18.8233

■ 19.3956, 19.9224,
21.3429

■ 10.0742, 15.1654,
18.7200

■ 21.3841, 20.9427,
21.6528

■ 23.6010, 22.0807,
21.9749

■ 26.0533, 23.3401,
22.3095

■ 28.7478, 24.7242,
22.6569

Harmonies

Analogous

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



12.6808, 16.4443, 15.1325



12.6040, 16.4443, 19.9625



13.2928, 16.4443, 25.0536

Triad

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



12.6040, 16.4443, 19.9625



17.9592, 16.4443, 25.9301



16.6752, 16.4443, 10.3007

Complementary

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



12.6040, 16.4443, 19.9625



11.1392, 8.5944, 6.8666

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.



18.2258, 16.4443, 12.2647



12.6040, 16.4443, 19.9625



19.0038, 16.4443, 20.9972

Square

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



12.6040, 16.4443, 19.9625



16.3326, 16.4443, 28.9000



19.1048, 16.4443, 15.9941



14.9475, 16.4443, 10.1263

Rectangle

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



12.6040, 16.4443, 19.9625



14.1253, 16.4443, 27.6798



19.1048, 16.4443, 15.9941



17.2375, 16.4443, 10.7540

Sweetspot

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



12.6045, 16.4449, 19.9629



28.4683, 32.1499, 36.5551



10.5472, 15.6520, 7.7756



6.4068, 7.2986, 8.3385



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.



12.6045, 16.4449, 19.9629



20.7571, 28.2081, 34.6789



10.2113, 11.3655, 20.0687



4.0981, 4.5088, 5.0503



10.6051, 15.9657, 19.7031



50.4835, 76.1164, 93.4391

Inverse Universe

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



11.1392, 8.5944, 6.8666



17.8380, 12.5497, 8.5749



12.7666, 11.9970, 6.9532



4.0064, 4.0183, 4.2311



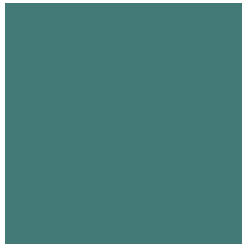
8.4875, 4.3712, 0.5922



40.3858, 20.8107, 2.2959

Previews

White Background



This preview shows how the XYZ color 12.6040, 16.4443, 19.9625 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 12.6040, 16.4443, 19.9625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

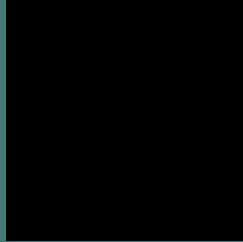
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6040, 16.4443, 19.9625

Background



This preview shows how black text looks on a background with the XYZ color 12.6040, 16.4443, 19.9625.



This preview shows how white text looks on a background with the XYZ color 12.6040, 16.4443,

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

12.6040, 16.4443, 19.9625

Protanopia

15.7142, 16.3580, 17.9520

Deuteranopia

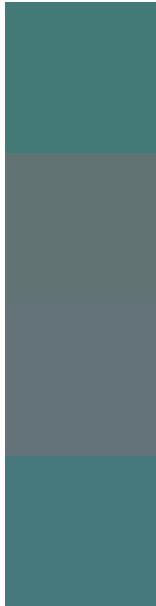
16.5892, 16.2644, 20.6773



Tritanopia

13.2715, 16.3467, 23.5748

Trichromacy



Original Color

12.6040, 16.4443, 19.9625

Protanomaly

14.2697, 16.2700, 18.6080

Deuteranomaly

14.7240, 16.1244, 20.4254

Tritanomaly

13.0575, 16.4463, 22.2249

Monochromacy



Original Color

12.6040, 16.4443, 19.9625

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.8133, 14.7188, 16.9175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6040, 16.4443, 19.9625 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(67, 122, 119)` looks like.

```
.text, #text, p{  
    color:rgb(67, 122, 119)  
}
```

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(67, 122, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 122, 119) }
```

Border

The CSS property to change the border of an element to XYZ 12.6040, 16.4443, 19.9625 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(67, 122, 119) }
```


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

```
.border{ border-color:rgb(67, 122, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 122, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 122, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 122, 119);  
box-shadow:4px 4px 4px 4px rgb(67, 122,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6040, 16.4443, 19.9625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 122, 119) }
```

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

```
.background{ background-color: rgb(67, 122,  
119) }
```

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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