

Converting Colors

XYZ(12.4985, 16.7432, 20.6782)

Have a look what the booklet for
XYZ(12.4985, 16.7432, 20.6782)
contains.

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Color

**XYZ(12.5223, 16.7564,
20.6635)**

Conversions

Conversions Part 1

Format	Color
Hex	3C7C79
RGB	60, 124, 121
RGB Percent	24%, 49%, 47%
CMY	0.7647, 0.5137, 0.5255
CMYK	0.52, 0.00, 0.02, 0.51
HSL	177°, 35%, 36%
HSV	177°, 52%, 49%
XYZ	12.5223, 16.7564, 20.6635
YIQ	104.5220, -37.1810, -14.5010

Conversions

Conversions Part 2

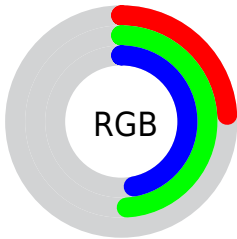
Format	Color
RYB	60, 93, 124
Decimal	3964025
CIELab	47.95, -21.23, -4.67
CIElCh	48, 21.741, 192.408
Yxy	16.7564, 0.2507, 0.3355
Android (android.graphics.Color)	4282154105 (0xFF3C7C79)
YUV	104.5220, 8.1237, -39.0458
Hunter-Lab	40.9346, -17.0306, -1.2750

Details

The XYZ color **12.5223, 16.7564, 20.6635** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.8258, 7.8762, 5.6528**, and the grayscale version is **13.2846, 13.9764, 15.2203**.

A 20% lighter version of the original color is **30.0750, 37.9721, 45.2794**, and **3.7187, 5.5132, 7.1715** is the 20% darker color. If you saturate the color by 10%, you get **11.8239, 16.4008, 20.4456**, and if you desaturate by 10%, it is **13.3976, 17.2039, 20.8916**.

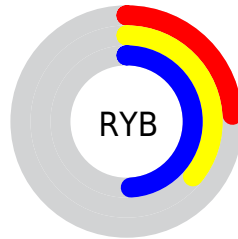
Distribution



Red (24%)

Green (49%)

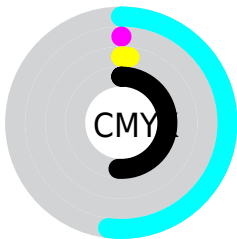
Blue (47%)



Red (24%)

Yellow (36%)

Blue (49%)

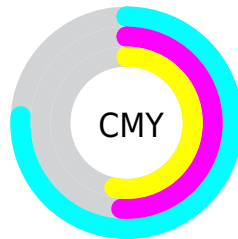


Cyan (52%)

Magenta (0%)

Yellow (2%)

Black (51%)



Cyan (76%)

Magenta (51%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5223, 16.7564, 20.6635 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 12.5223, 16.7564, 20.6635 by changing the saturation by 10% instead.

■ 12.5223, 16.7564,
20.6635

■ 12.5223, 16.7564,
20.6635

201.5331,
233.7646, 268.2068

■ 7.1752, 10.0610,
12.6894

■ 30.0515, 37.9065,
45.4003

■ 3.6192, 5.4394,
7.0868

■ 42.9643, 53.1299,
63.0001

■ 1.4890, 2.5073,
3.4372

■ 59.1297, 71.9648,
84.6456

■ 0.3184, 0.8803,
1.3220

■ 78.9131, 94.7955,
110.7553

■ 0.0000, 0.0000,
0.0797

■ 102.6798,
122.0064, 141.7477

■ 0.0000, 0.0000,
0.0000

130.7951,

153.9820, 178.0414

163.6244,
191.1066, 220.0549

■ 12.5223, 16.7564,
20.6635

■ 12.5223, 16.7564,
20.6635

■ 11.8239, 16.4008,
20.4456

■ 13.3976, 17.2039,
20.8916

■ 11.2883, 16.1288,
20.2360

■ 14.4594, 17.7471,
21.1291

■ 10.9019, 15.9337,
20.0346

■ 15.7186, 18.3921,
21.3770

■ 10.6484, 15.8071,
19.8405

■ 17.1847, 19.1437,
21.6357

■ 10.4891, 15.7283,
19.6810

■ 18.8668, 20.0066,
21.9057

■ 20.7731, 20.9851,
22.1872

■ 22.9116, 22.0832,
22.4808

■ 25.2900, 23.3050,
22.7868

■ 27.9155, 24.6542,
23.1054

Harmonies

Analogous

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



12.5976, 16.7564, 15.1735



12.5223, 16.7564, 20.6635



13.3029, 16.7564, 26.5341

Triad

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



12.5223, 16.7564, 20.6635



18.6055, 16.7564, 27.4300



17.0928, 16.7564, 9.7697

Complementary

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



12.5223, 16.7564, 20.6635



10.8258, 7.8762, 5.6528

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.



18.8741, 16.7564, 11.8914



12.5223, 16.7564, 20.6635



19.7954, 16.7564, 21.7050

Square

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



12.5223, 16.7564, 20.6635



16.7500, 16.7564, 30.9452



19.8976, 16.7564, 16.0227



15.1304, 16.7564, 9.6040

Rectangle

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



12.5223, 16.7564, 20.6635



14.2440, 16.7564, 29.5787



19.8976, 16.7564, 16.0227



17.7364, 16.7564, 10.2540

Sweetspot

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



12.5228, 16.7571, 20.6639



29.2303, 33.1695, 37.8997



10.0864, 15.8055, 6.7945



6.7778, 7.7574, 8.9072



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.



12.5228, 16.7571, 20.6639



20.6102, 28.7608, 35.9085



9.6123, 10.6369, 20.6160



4.0993, 4.5094, 5.0569



10.6625, 15.9887, 20.0055



50.7712, 76.2315, 94.9540

Inverse Universe

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



10.8258, 7.8762, 5.6528



17.2738, 11.2733, 6.3762



12.6841, 11.7234, 5.8697



4.0052, 4.0178, 4.2251



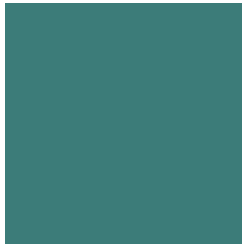
8.4822, 4.3691, 0.5645



40.3734, 20.8057, 2.2306

Previews

White Background



This preview shows how the XYZ color 12.5223, 16.7564, 20.6635 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 12.5223, 16.7564, 20.6635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

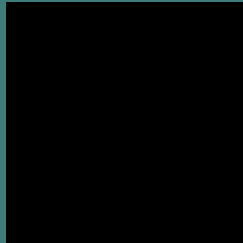
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

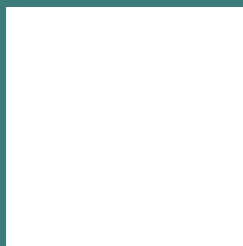
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5223, 16.7564, 20.6635

Background



This preview shows how black text looks on a background with the XYZ color 12.5223, 16.7564, 20.6635.



This preview shows how white text looks on a background with the XYZ color 12.5223, 16.7564,

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

12.5223, 16.7564, 20.6635

Protanopia

16.0126, 16.6700, 18.2933

Deuteranopia

16.8218, 16.5290, 21.3726



Tritanopia

13.2387, 16.6750, 24.3506

Trichromacy



Original Color

12.5223, 16.7564, 20.6635

Protanomaly

14.2915, 16.4398, 19.2496

Deuteranomaly

14.7429, 16.2882, 21.1058

Tritanomaly

13.0291, 16.7812, 22.9745

Monochromacy



Original Color

12.5223, 16.7564, 20.6635

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.7832, 14.8599, 17.2334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5223, 16.7564, 20.6635 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(60, 124, 121)` looks like.

```
.text, #text, p{  
    color:rgb(60, 124, 121)  
}
```

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(60, 124, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 124, 121) }
```

Border

The CSS property to change the border of an element to XYZ 12.5223, 16.7564, 20.6635 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(60, 124, 121) }
```


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

```
.border{ border-color:rgb(60, 124, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 124, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 124, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 124, 121);  
box-shadow:4px 4px 4px 4px rgb(60, 124,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5223, 16.7564, 20.6635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 124, 121) }
```

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

```
.background{ background-color: rgb(60, 124,  
121) }
```

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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