

Converting Colors

XYZ(12.5640, 16.8499, 17.8040)

Have a look what the booklet for
XYZ(12.5640, 16.8499, 17.8040)
contains.

XYZ(12.5865, 16.8504, 17.9183)	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(12.5865, 16.8504,
17.9183)**

Conversions

Conversions Part 1

Format	Color
Hex	457C70
RGB	69, 124, 112
RGB Percent	27%, 49%, 44%
CMY	0.7294, 0.5137, 0.5608
CMYK	0.44, 0.00, 0.10, 0.51
HSL	167°, 28%, 38%
HSV	167°, 44%, 49%
XYZ	12.5865, 16.8504, 17.9183
YIQ	106.1870, -28.9280, -15.3920

Conversions

Conversions Part 2

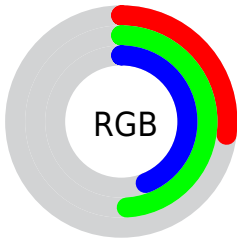
Format	Color
RYB	69, 100, 124
Decimal	4553840
CIELab	48.07, -21.31, 0.87
CIELCh	48, 21.331, 177.669
Yxy	16.8504, 0.2658, 0.3558
Android (android.graphics.Color)	4282743920 (0xFF457C70)
YUV	106.1870, 2.8658, -32.6130
Hunter-Lab	41.0492, -17.1046, 2.8539

Details

The XYZ color **12.5865, 16.8504, 17.9183** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.9260, 9.1358, 8.9199**, and the grayscale version is **13.7493, 14.4653, 15.7528**.

A 20% lighter version of the original color is **30.1687, 38.1177, 40.8893**, and **3.6552, 5.5125, 5.7219** is the 20% darker color. If you saturate the color by 10%, you get **11.6489, 16.3846, 17.1000**, and if you desaturate by 10%, it is **13.7135, 17.4141, 18.7698**.

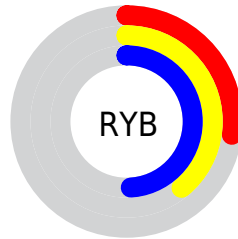
Distribution



Red (27%)

Green (49%)

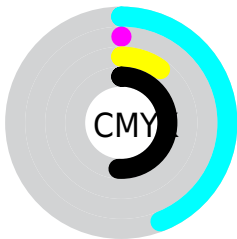
Blue (44%)



Red (27%)

Yellow (39%)

Blue (49%)

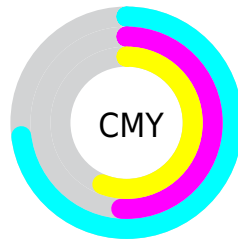


Cyan (44%)

Magenta (0%)

Yellow (10%)

Black (51%)



Cyan (73%)

Magenta (51%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5865, 16.8504, 17.9183 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 12.5865, 16.8504, 17.9183 by changing the saturation by 10% instead.

■ 12.5865, 16.8504,
17.9183

■ 12.5865, 16.8504,
17.9183

201.9420,
234.3088, 252.6308

■ 7.2195, 10.1279,
10.7225

■ 30.1666, 38.0684,
40.7101

■ 3.6473, 5.4838,
5.7688

■ 43.1103, 53.3326,
57.1432

■ 1.5046, 2.5338,
2.6385

■ 59.3103, 72.2129,
77.4925

■ 0.3290, 0.8935,
0.9122

■ 79.1320, 95.0937,
102.1766

■ 0.0000, 0.0000,
0.0000

■ 102.9406,
122.3592, 131.6139

131.1016,

154.3940, 166.2230

163.9802,
191.5824, 206.4224

■ 12.5865, 16.8504,
17.9183

■ 12.5865, 16.8504,
17.9183

■ 11.6489, 16.3846,
17.1000

■ 13.7135, 17.4141,
18.7698

■ 10.8876, 16.0088,
16.3131

■ 15.0390, 18.0792,
19.6541

■ 10.2902, 15.7169,
15.5570

■ 16.5732, 18.8514,
20.5722

■ 9.8421, 15.5015,
14.8310

■ 18.3254, 19.7355,
21.5247

■ 9.5226, 15.3519,
14.1338

■ 20.3040, 20.7357,
22.5123

■ 9.3631, 15.2780,
13.7512

■ 22.5173, 21.8563,
23.5354

■ 24.9729, 23.1013,
24.5948

■ 27.6782, 24.4745,
25.6908

■ 30.6402, 25.9795,
26.8240

Harmonies

Analogous

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



13.0802, 16.8504, 13.2298



12.5865, 16.8504, 17.9183



12.9487, 16.8504, 23.7385

Triad

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



12.5865, 16.8504, 17.9183



17.8017, 16.8504, 29.4620



18.0837, 16.8504, 10.7520

Complementary

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



12.5865, 16.8504, 17.9183



11.9260, 9.1358, 8.9199

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.



19.5326, 16.8504, 13.8411



12.5865, 16.8504, 17.9183



19.3608, 16.8504, 24.6387

Square

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



12.5865, 16.8504, 17.9183



15.8653, 16.8504, 31.1477



20.0175, 16.8504, 18.7829



16.1672, 16.8504, 9.6447

Rectangle

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



12.5865, 16.8504, 17.9183



13.6444, 16.8504, 27.3796



20.0175, 16.8504, 18.7829



18.6472, 16.8504, 11.5582

Sweetspot

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



12.5870, 16.8511, 17.9187



29.4681, 33.3261, 36.3732



11.7475, 16.6321, 8.2216



6.8115, 7.7839, 8.4932



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.



12.5870, 16.8511, 17.9187



20.5130, 28.8390, 30.1045



11.5971, 13.7296, 21.1085



4.0714, 4.4982, 4.9099



9.5171, 15.5305, 13.9736



45.0717, 73.9517, 64.9408

Inverse Universe

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



11.9260, 9.1358, 8.9199



19.2022, 13.4514, 12.1939



12.5314, 11.0042, 7.0940



4.0308, 4.0280, 4.3599



8.6511, 4.4366, 1.4534



40.9997, 21.0562, 5.5286

Previews

White Background



This preview shows how the XYZ color 12.5865, 16.8504, 17.9183 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 12.5865, 16.8504, 17.9183 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 12.5865, 16.8504, 17.9183

Background



This preview shows how black text looks on a background with the XYZ color 12.5865, 16.8504, 17.9183.



This preview shows how white text looks on a background with the XYZ color 12.5865, 16.8504,

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

12.5865, 16.8504, 17.9183

Protanopia

15.8428, 16.6328, 16.0111

Deuteranopia

16.9826, 16.6748, 18.5431



Tritanopia

13.7581, 16.7693, 23.9844

Trichromacy



Original Color

12.5865, 16.8504, 17.9183

Protanomaly

14.3236, 16.5146, 16.6201

Deuteranomaly

14.8769, 16.4194, 18.3048

Tritanomaly

13.2701, 16.7520, 21.6028

Monochromacy



Original Color

12.5865, 16.8504, 17.9183

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.1261, 15.2201, 16.4333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5865, 16.8504, 17.9183 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(69, 124, 112)` looks like.

```
.text, #text, p{  
    color:rgb(69, 124, 112)  
}
```

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(69, 124, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 124, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.5865, 16.8504, 17.9183 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(69, 124, 112) }
```


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

```
.border{ border-color:rgb(69, 124, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 124, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 124, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 124, 112);  
box-shadow:4px 4px 4px 4px rgb(69, 124,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5865, 16.8504, 17.9183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 124, 112) }
```

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

```
.background{ background-color: rgb(69, 124,  
112) }
```

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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