

Converting Colors

XYZ(17.3722, 23.6176, 24.0287)

Have a look what the booklet for
XYZ(17.3722, 23.6176, 24.0287)
contains.

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Color

**XYZ(17.3299, 23.5148,
24.0475)**

Conversions

Conversions Part 1

Format	Color
Hex	509180
RGB	80, 145, 128
RGB Percent	31%, 57%, 50%
CMY	0.6863, 0.4314, 0.4980
CMYK	0.45, 0.00, 0.12, 0.43
HSL	164°, 29%, 44%
HSV	164°, 45%, 57%
XYZ	17.3299, 23.5148, 24.0475
YIQ	123.6270, -33.2830, -19.0670

Conversions

Conversions Part 2

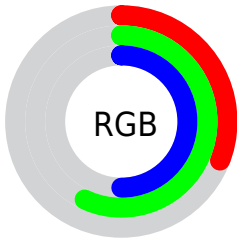
Format	Color
RYB	80, 117, 145
Decimal	5280128
CIELab	55.60, -25.09, 2.55
CIElCh	56, 25.221, 174.189
Yxy	23.5148, 0.2671, 0.3624
Android (android.graphics.Color)	4283470208 (0xFF509180)
YUV	123.6270, 2.1559, -38.2609
Hunter-Lab	48.4921, -21.0695, 4.5422

Details

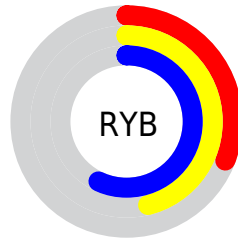
The XYZ color **17.3299, 23.5148, 24.0475** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.7041, 12.6206, 12.8656**, and the grayscale version is **19.0356, 20.0270, 21.8094**.

A 20% lighter version of the original color is **38.4368, 49.1696, 51.1809**, and **5.8400, 8.7895, 8.7859** is the 20% darker color. If you saturate the color by 10%, you get **15.9904, 22.8532, 22.7063**, and if you desaturate by 10%, it is **18.9443, 24.3183, 25.4513**.

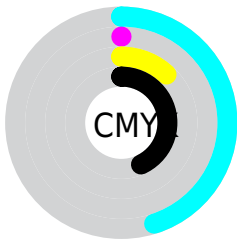
Distribution



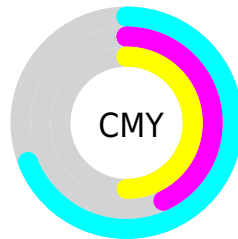
- Red (31%)
- Green (57%)
- Blue (50%)



- Red (31%)
- Yellow (46%)
- Blue (57%)



- Cyan (45%)
- Magenta (0%)
- Yellow (12%)
- Black (43%)



- Cyan (69%)
- Magenta (43%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3299, 23.5148, 24.0475 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 17.3299, 23.5148, 24.0475 by changing the saturation by 10% instead.

■ 17.3299, 23.5148,
24.0475

■ 17.3299, 23.5148,
24.0475

230.1857,
270.3582, 286.3548

■ 10.5667, 14.9741,
15.1563

■ 38.4312, 49.2373,
51.0525

■ 5.8414, 8.8012,
8.7813

■ 53.5001, 67.1878,
70.0034

■ 2.7886, 4.6117,
4.5040

■ 72.0683, 89.0437,
93.1447

■ 1.0430, 2.0213,
1.9057

■ 94.5011, 115.1895,
120.8948

■ 0.0000, 0.6198,
0.4964

■ 121.1639,
146.0094, 153.6723

■ 0.0000, 0.0000,
0.0000

152.4220,

181.8879, 191.8958

188.6408,
223.2094, 235.9838

■ 17.3299, 23.5148,
24.0475

■ 17.3299, 23.5148,
24.0475

■ 15.9904, 22.8532,
22.7063

■ 18.9443, 24.3183,
25.4513

■ 14.9066, 22.3217,
21.4247

■ 20.8473, 25.2688,
26.9174

■ 14.0597, 21.9113,
20.2020


■ 23.0542, 26.3749,
28.4474


■ 13.4278, 21.6107,
19.0363


■ 25.5784, 27.6435,
30.0425


■ 12.9821, 21.4050,
17.9260


■ 28.4327, 29.0811,
31.7038

 12.7837, 21.3148,
17.3713

 31.6290, 30.6940,
33.4324

 35.1788, 32.4878,
35.2292

 39.0928, 34.4683,
37.0952

 43.3815, 36.6408,
39.0314

Harmonies

Analogous

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



18.1944, 23.5148, 17.4754



17.3299, 23.5148, 24.0475



17.7150, 23.5148, 32.5873

Triad

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



17.3299, 23.5148, 24.0475



24.6714, 23.5148, 42.7524



25.7120, 23.5148, 14.8693

Complementary

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



17.3299, 23.5148, 24.0475



16.7041, 12.6206, 12.8656

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.



27.7304, 23.5148, 19.6966



17.3299, 23.5148, 24.0475



27.0948, 23.5148, 35.9271

Square

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



17.3299, 23.5148, 24.0475



21.7999, 23.5148, 44.6044



28.2568, 23.5148, 27.2255



22.9095, 23.5148, 12.9495

Rectangle

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



17.3299, 23.5148, 24.0475



18.6468, 23.5148, 38.1739



28.2568, 23.5148, 27.2255



26.5139, 23.5148, 16.1488

Sweetspot

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



17.3306, 23.5157, 24.0480



41.9507, 47.5659, 51.3799



16.5394, 23.3907, 11.2328



9.1421, 10.4860, 11.3049



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



17.3306, 23.5157, 24.0480



28.5710, 40.8933, 40.5920



16.3802, 19.6716, 29.7229



5.5009, 6.0926, 6.6033



10.9755, 18.2861, 14.9571



0.1140, 0.1784, 0.1907

Inverse Universe

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



16.7041, 12.6206, 12.8656



27.3104, 18.7674, 17.9403



17.2330, 14.8140, 9.5408



5.4632, 5.4458, 5.9372



10.3244, 5.2868, 2.0938



0.1067, 0.0538, 0.0622

Previews

White Background



This preview shows how the XYZ color 17.3299, 23.5148, 24.0475 looks on a white 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

Black Background



This preview shows how the XYZ color 17.3299, 23.5148, 24.0475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

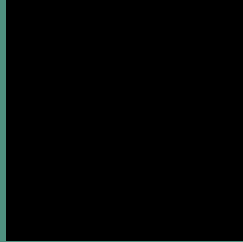
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.3299, 23.5148, 24.0475

Background



This preview shows how black text looks on a background with the XYZ color 17.3299, 23.5148, 24.0475.

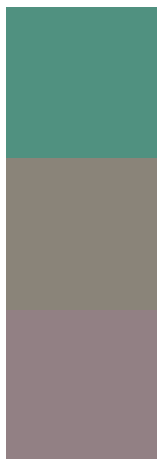


This preview shows how white text looks on a background with the XYZ color 17.3299, 23.5148,

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

17.3299, 23.5148, 24.0475

Protanopia

22.1837, 23.2863, 21.4147

Deuteranopia

23.7381, 23.2153, 25.0597



Tritanopia

19.2051, 23.3759, 33.6368

Trichromacy



Original Color

17.3299, 23.5148, 24.0475

Protanomaly

19.9199, 23.1285, 22.4831

Deuteranomaly

20.6479, 22.8265, 24.7904

Tritanomaly

18.3632, 23.2444, 29.9043

Monochromacy



Original Color

17.3299, 23.5148, 24.0475

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.1373, 21.1713, 22.5326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3299, 23.5148, 24.0475 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(80, 145, 128)` looks like.

```
.text, #text, p{  
    color:rgb(80, 145, 128)  
}
```

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(80, 145, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 145, 128) }
```

Border

The CSS property to change the border of an element to XYZ 17.3299, 23.5148, 24.0475 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(80, 145, 128) }
```


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

```
.border{ border-color:rgb(80, 145, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 145, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 145, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 145, 128);  
box-shadow:4px 4px 4px 4px rgb(80, 145,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3299, 23.5148, 24.0475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 145, 128) }
```

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

```
.background{ background-color: rgb(80, 145,  
128) }
```

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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