

Converting Colors

XYZ(12.1303, 14.7792, 19.1356)

Have a look what the booklet for
XYZ(12.1303, 14.7792, 19.1356)
contains.

XYZ(12.1299, 14.8148, 19.0499)	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(12.1299, 14.8148,
19.0499)**

Conversions

Conversions Part 1

Format	Color
Hex	4B7275
RGB	75, 114, 117
RGB Percent	29%, 45%, 46%
CMY	0.7059, 0.5529, 0.5412
CMYK	0.36, 0.03, 0.00, 0.54
HSL	184°, 22%, 38%
HSV	184°, 36%, 46%
XYZ	12.1299, 14.8148, 19.0499
YIQ	102.6810, -24.2070, -7.3350

Conversions

Conversions Part 2

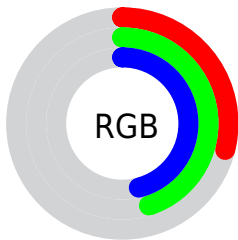
Format	Color
R_{YB}	75, 95, 117
Decimal	4944501
CIE _{Lab}	45.38, -12.83, -6.03
CIE _{LCh}	45, 14.180, 205.181
Yxy	14.8148, 0.2637, 0.3221
Android (android.graphics.Color)	4283134581 (0xFF4B7275)
YUV	102.6810, 7.0593, -24.2762
Hunter-Lab	38.4900, -11.1043, -2.4015

Details

The XYZ color **12.1299, 14.8148, 19.0499** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.3309, 9.7391, 7.9398**, and the grayscale version is **12.7949, 13.4612, 14.6593**.

A 20% lighter version of the original color is **29.4018, 34.5726, 42.6597**, and **3.4484, 4.5457, 6.3259** is the 20% darker color. If you saturate the color by 10%, you get **11.2039, 14.1985, 18.9800**, and if you desaturate by 10%, it is **13.2260, 15.5207, 19.1286**.

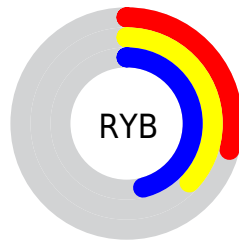
Distribution



Red (29%)

Green (45%)

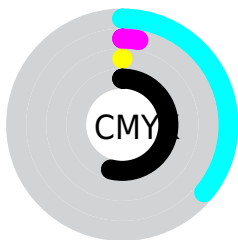
Blue (46%)



Red (29%)

Yellow (37%)

Blue (46%)

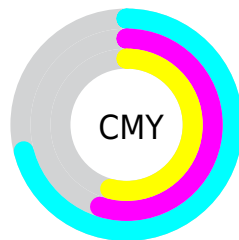


Cyan (36%)

Magenta (3%)

Yellow (0%)

Black (54%)



Cyan (71%)

Magenta (55%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1299, 14.8148, 19.0499 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 12.1299, 14.8148, 19.0499 by changing the saturation by 10% instead.

■ 12.1299, 14.8148,
19.0499

■ 12.1299, 14.8148,
19.0499

199.0158,
222.2425, 259.1560

■ 6.9050, 8.6895,
11.5292

■ 29.3463, 34.5280,
42.6562

■ 3.4486, 4.5392,
6.3053

■ 42.0685, 48.8846,
59.5789

■ 1.3952, 1.9795,
2.9598

■ 58.0206, 66.7538,
80.4726

■ 0.2528, 0.5955,
1.0742

■ 77.5678, 88.5201,
105.7559

■ 0.0000, 0.0000,
0.0000

■ 101.0756,
114.5676, 135.8474

128.9093,

145.2810, 171.1655

161.4342,
181.0445, 212.1289

■ 12.1299, 14.8148,
19.0499

■ 12.1299, 14.8148,
19.0499

■ 11.2039, 14.1985,
18.9800

■ 13.2260, 15.5207,
19.1286

■ 10.4375, 13.6654,
18.9175

■ 14.4993, 16.3190,
19.2156

■ 9.8209, 13.2108,
18.8622

■ 15.9584, 17.2143,
19.3115

■ 9.3428, 12.8289,
18.8137

■ 17.6106, 18.2105,
19.4167

■ 8.9903, 12.5130,
18.7713

■ 19.4631, 19.3112,
19.5315

■ 8.7385, 12.2502,
18.7339

■ 21.5225, 20.5198,
19.6563

■ 8.6419, 12.1462,
18.7189

■ 23.7953, 21.8398,
19.7913

■ 26.2875, 23.2742,
19.9368

■ 29.0051, 24.8260,
20.0931

Harmonies

Analogous

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



11.9433, 14.8148, 15.5922



12.1299, 14.8148, 19.0499



12.8274, 14.8148, 22.0610

Triad

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



12.1299, 14.8148, 19.0499



16.0227, 14.8148, 20.1236



14.2721, 14.8148, 10.4939

Complementary

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



12.1299, 14.8148, 19.0499



11.3309, 9.7391, 7.9398

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.



15.4137, 14.8148, 11.3717



12.1299, 14.8148, 19.0499



16.4597, 14.8148, 16.6817

Square

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



12.1299, 14.8148, 19.0499



15.0665, 14.8148, 22.7389



16.2309, 14.8148, 13.5263



13.1395, 14.8148, 10.9457

Rectangle

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



12.1299, 14.8148, 19.0499



13.5099, 14.8148, 23.2462



16.2309, 14.8148, 13.5263



14.6681, 14.8148, 10.6393

Sweetspot

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



12.1303, 14.8154, 19.0502



27.1262, 29.9394, 34.4862



10.6314, 14.7660, 9.4605



6.1763, 6.8464, 7.9249



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.



12.1303, 14.8154, 19.0502



20.3372, 25.6109, 34.0085



10.0449, 10.6446, 18.3551



3.7620, 4.1127, 4.6858



9.5166, 13.3730, 20.6222



46.1115, 64.6396, 100.4066

Inverse Universe

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



12.8899, 10.0295, 17.1766



21.9313, 15.7704, 30.0305



13.0494, 13.1762, 8.5126



3.8159, 3.7536, 4.5573



11.1007, 5.3740, 16.2703



53.9617, 26.1348, 78.5847

Previews

White Background



This preview shows how the XYZ color 12.1299, 14.8148, 19.0499 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 12.1299, 14.8148, 19.0499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

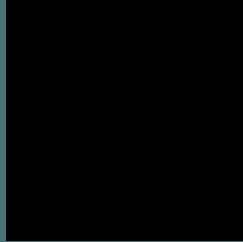
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1299, 14.8148, 19.0499

Background



This preview shows how black text looks on a background with the XYZ color 12.1299, 14.8148, 19.0499.



This preview shows how white text looks on a background with the XYZ color 12.1299, 14.8148,

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

12.1299, 14.8148, 19.0499

Protanopia

14.1421, 14.6037, 17.4027

Deuteranopia

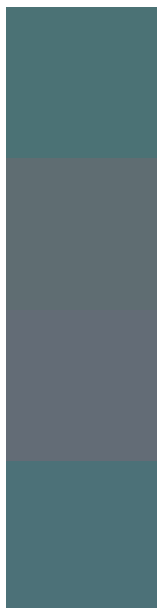
14.9622, 14.6773, 19.4972



Tritanopia

12.3985, 14.7519, 20.6063

Trichromacy



Original Color

12.1299, 14.8148, 19.0499

Protanomaly

13.2252, 14.5851, 18.0377

Deuteranomaly

13.7782, 14.6858, 19.2480

Tritanomaly

12.2758, 14.7028, 19.9602

Monochromacy



Original Color

12.1299, 14.8148, 19.0499

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.4787, 13.9253, 16.2175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1299, 14.8148, 19.0499 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(75, 114, 117)` looks like.

```
.text, #text, p{  
    color:rgb(75, 114, 117)  
}
```

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(75, 114, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 114, 117) }
```

Border

The CSS property to change the border of an element to XYZ 12.1299, 14.8148, 19.0499 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(75, 114, 117) }
```


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

```
.border{ border-color:rgb(75, 114, 117) }
```

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

Here you see how a box with a 4 pixel rgb(75, 114, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 114, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 114, 117);  
box-shadow:4px 4px 4px 4px rgb(75, 114,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1299, 14.8148, 19.0499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 114, 117) }
```

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

```
.background{ background-color: rgb(75, 114,  
117) }
```

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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