

Converting Colors

XYZ(12.0429, 14.5828, 19.9493)

Have a look what the booklet for
XYZ(12.0429, 14.5828, 19.9493)
contains.

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Color

**XYZ(12.0429, 14.5828,
19.9493)**

Conversions

Conversions Part 1

Format	Color
Hex	497178
RGB	73, 113, 120
RGB Percent	29%, 44%, 47%
CMY	0.7137, 0.5569, 0.5294
CMYK	0.39, 0.06, 0.00, 0.53
HSL	189°, 24%, 38%
HSV	189°, 39%, 47%
XYZ	12.0429, 14.5828, 19.9493
YIQ	101.8380, -26.0870, -6.3030

Conversions

Conversions Part 2

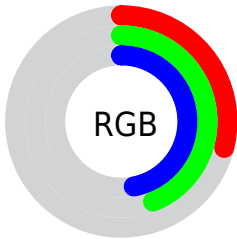
Format	Color
R_{YB}	73, 95, 120
Decimal	4813176
CIE _{Lab}	45.06, -12.05, -8.32
CIE _{LCh}	45, 14.642, 214.636
Yxy	14.5828, 0.2586, 0.3131
Android (android.graphics.Color)	4283003256 (0xFF497178)
YUV	101.8380, 8.9539, -25.2909
Hunter-Lab	38.1874, -10.5357, -4.2422

Details

The XYZ color **12.0429, 14.5828, 19.9493** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.8171, 10.2114, 7.6517**, and the grayscale version is **12.5696, 13.2242, 14.4012**.

A 20% lighter version of the original color is **29.2137, 34.1739, 44.0862**, and **3.4133, 4.4306, 6.8062** is the 20% darker color. If you saturate the color by 10%, you get **11.0227, 13.7642, 19.8453**, and if you desaturate by 10%, it is **13.2434, 15.5009, 20.0635**.

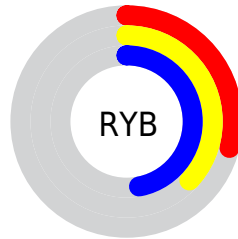
Distribution



Red (29%)

Green (44%)

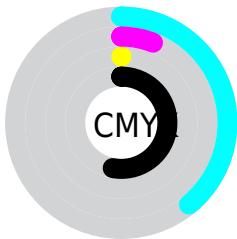
Blue (47%)



Red (29%)

Yellow (37%)

Blue (47%)

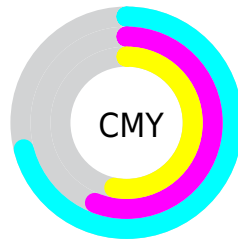


Cyan (39%)

Magenta (6%)

Yellow (0%)

Black (53%)



Cyan (71%)

Magenta (56%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0429, 14.5828, 19.9493 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 12.0429, 14.5828, 19.9493 by changing the saturation by 10% instead.

■ 12.0429, 14.5828,
19.9493

■ 12.0429, 14.5828,
19.9493

198.4532,
220.8269, 264.2357

■ 6.8453, 8.5271,
12.1745

■ 29.1894, 34.1196,
44.1900

■ 3.4110, 4.4340,
6.7386

■ 41.8690, 48.3695,
61.4930

■ 1.3747, 1.9192,
3.2232

■ 57.7733, 66.1196,
82.8091

■ 0.2381, 0.5599,
1.2097

■ 77.2677, 87.7543,
108.5569

■ 0.0000, 0.0000,
0.0000

■ 100.7176,
113.6580, 139.1549

128.4882,

144.2151, 175.0217

160.9450,
179.8099, 216.5758

■ 12.0429, 14.5828,
19.9493

■ 12.0429, 14.5828,
19.9493

■ 11.0227, 13.7642,
19.8453

■ 13.2434, 15.5009,
20.0635

■ 10.1714, 13.0380,
19.7500

■ 14.6321, 16.5215,
20.1873

■ 9.4781, 12.3991,
19.6632

■ 16.2183, 17.6499,
20.3215

■ 8.9302, 11.8410,
19.5844

■ 18.0101, 18.8901,
20.4664

■ 8.5134, 11.3560,
19.5127

■ 20.0151, 20.2462,
20.6225

■ 8.1818, 10.9207,
19.4462

■ 22.2406, 21.7220,
20.7901

■ 8.1546, 10.8848,
19.4407

■ 24.6935, 23.3211,
20.9695

■ 27.3806, 25.0469,
21.1609

■ 30.3080, 26.9027,
21.3649

Harmonies

Analogous

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



11.6802, 14.5828, 16.4197



12.0429, 14.5828, 19.9493



12.8930, 14.5828, 22.6488

Triad

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



12.0429, 14.5828, 19.9493



16.0578, 14.5828, 18.8888



13.6744, 14.5828, 10.1477

Complementary

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



12.0429, 14.5828, 19.9493



11.8171, 10.2114, 7.6517

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.



14.8753, 14.5828, 10.6124



12.0429, 14.5828, 19.9493



16.2966, 14.5828, 15.3487

Square

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



12.0429, 14.5828, 19.9493



15.2174, 14.5828, 21.9771



15.8524, 14.5828, 12.4024



12.5868, 14.5828, 11.0270

Rectangle

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



12.0429, 14.5828, 19.9493



13.6454, 14.5828, 23.4302



15.8524, 14.5828, 12.4024



14.0779, 14.5828, 10.1531

Sweetspot

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



12.0433, 14.5834, 19.9496



27.6139, 30.4011, 35.6657



10.8854, 15.4180, 9.8506



6.4779, 7.1578, 8.4468



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.



12.0433, 14.5834, 19.9496



19.5550, 24.3470, 34.9219



9.8139, 10.1245, 19.2065



4.0587, 4.4156, 5.0816



8.8881, 11.8586, 21.2058



41.9068, 55.5862, 100.9903

Inverse Universe

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



13.1092, 9.9507, 16.8532



21.7590, 15.1585, 28.4314



13.7756, 14.1285, 8.3046



4.1301, 4.0677, 4.8826



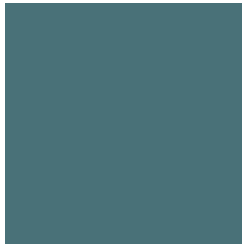
11.0696, 5.4040, 14.1895



52.5557, 25.6786, 66.3818

Previews

White Background



This preview shows how the XYZ color 12.0429, 14.5828, 19.9493 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 12.0429, 14.5828, 19.9493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

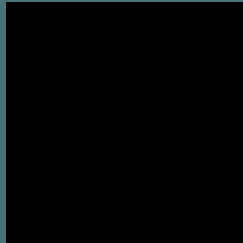
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0429, 14.5828, 19.9493

Background



This preview shows how black text looks on a background with the XYZ color 12.0429, 14.5828, 19.9493.



This preview shows how white text looks on a background with the XYZ color 12.0429, 14.5828,

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

12.0429, 14.5828, 19.9493

Protanopia

14.0742, 14.5491, 18.2861

Deuteranopia

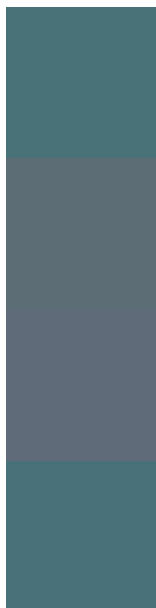
14.7698, 14.5570, 20.4437



Tritanopia

12.1656, 14.6319, 20.5954

Trichromacy



Original Color

12.0429, 14.5828, 19.9493

Protanomaly

13.1937, 14.5488, 18.9424

Deuteranomaly

13.5328, 14.3827, 20.1520

Tritanomaly

12.1040, 14.6072, 20.2707

Monochromacy



Original Color

12.0429, 14.5828, 19.9493

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.2287, 13.6363, 16.4556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0429, 14.5828, 19.9493 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(73, 113, 120)` looks like.

```
.text, #text, p{  
    color:rgb(73, 113, 120)  
}
```

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(73, 113, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 113, 120) }
```

Border

The CSS property to change the border of an element to XYZ 12.0429, 14.5828, 19.9493 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(73, 113, 120) }
```


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

```
.border{ border-color:rgb(73, 113, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 113, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 113, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 113, 120);  
box-shadow:4px 4px 4px 4px rgb(73, 113,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0429, 14.5828, 19.9493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 113, 120) }
```

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

```
.background{ background-color: rgb(73, 113,  
120) }
```

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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