

Converting Colors

XYZ(12.3913, 14.4004, 19.8750)

Have a look what the booklet for
XYZ(12.3913, 14.4004, 19.8750)
contains.

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Color

**XYZ(12.3829, 14.4304,
19.9020)**

Conversions

Conversions Part 1

Format	Color
Hex	506F78
RGB	80, 111, 120
RGB Percent	31%, 44%, 47%
CMY	0.6863, 0.5647, 0.5294
CMYK	0.33, 0.07, 0.00, 0.53
HSL	193°, 20%, 39%
HSV	193°, 33%, 47%
XYZ	12.3829, 14.4304, 19.9020
YIQ	102.7570, -21.3650, -3.7730

Conversions

Conversions Part 2

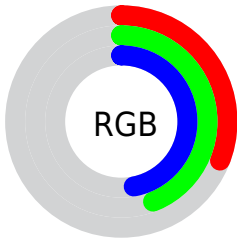
Format	Color
R_{YB}	80, 97, 120
Decimal	5271416
CIE _{Lab}	44.84, -8.79, -8.60
CIE _{LCh}	45, 12.294, 224.388
Yxy	14.4304, 0.2651, 0.3089
Android (android.graphics.Color)	4283461496 (0xFF506F78)
YUV	102.7570, 8.5008, -19.9579
Hunter-Lab	37.9874, -8.2915, -4.4715

Details

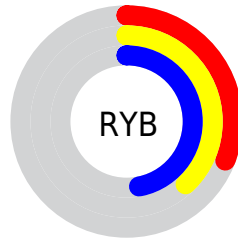
The XYZ color **12.3829, 14.4304, 19.9020** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.7664, 11.7173, 9.1787**, and the grayscale version is **12.8107, 13.4778, 14.6773**.

A 20% lighter version of the original color is **29.9037, 33.9982, 44.0160**, and **3.5429, 4.3300, 6.7799** is the 20% darker color. If you saturate the color by 10%, you get **11.1688, 13.3741, 19.7623**, and if you desaturate by 10%, it is **13.7878, 15.5990, 20.0538**.

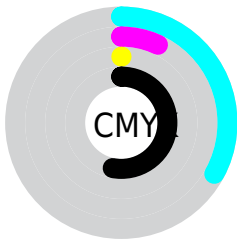
Distribution



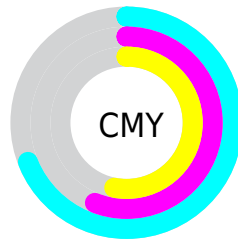
- Red (31%)
- Green (44%)
- Blue (47%)



- Red (31%)
- Yellow (38%)
- Blue (47%)



- Cyan (33%)
- Magenta (7%)
- Yellow (0%)
- Black (53%)



- Cyan (69%)
- Magenta (56%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3829, 14.4304, 19.9020 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 12.3829, 14.4304, 19.9020 by changing the saturation by 10% instead.

■ 12.3829, 14.4304,
19.9020

■ 12.3829, 14.4304,
19.9020

■ 200.6425,
219.8922, 263.9708

■ 7.0791, 8.4206,
12.1405

■ 29.8014, 33.8508,
44.1096

■ 3.5584, 4.3653,
6.7157

■ 42.6468, 48.0302,
61.3928

■ 1.4555, 1.8799,
3.2092

■ 58.7368, 65.7016,
82.6869

■ 0.2952, 0.5363,
1.2024

■ 78.4367, 87.2493,
108.4105

■ 0.0000, 0.0000,
0.0000

■ 102.1118,
113.0579, 138.9822

130.1276,

143.5116, 174.8204

162.8494,
178.9949, 216.3438

■ 12.3829, 14.4304,
19.9020

■ 12.3829, 14.4304,
19.9020

■ 11.1688, 13.3741,
19.7623

■ 13.7878, 15.5990,
20.0538

■ 10.1344, 12.4232,
19.6333

■ 15.3912, 16.8828,
20.2171

■ 9.2696, 11.5727,
19.5148

■ 17.2019, 18.2870,
20.3927

■ 8.5626, 10.8165,
19.4060

■ 19.2278, 19.8158,
20.5810

■ 8.0001, 10.1475,
19.3066

■ 21.4765, 21.4729,
20.7823

■ 7.5649, 9.5568,
19.2155

■ 23.9550, 23.2624,
20.9971

■ 7.3048, 9.1853,
19.1575

■ 26.6701, 25.1877,
21.2256

■ 29.6283, 27.2523,
21.4682

■ 32.8359, 29.4596,
21.7252

Harmonies

Analogous

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



11.9308, 14.4304, 17.1253



12.3829, 14.4304, 19.9020



13.2031, 14.4304, 21.6558

Triad

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



12.3829, 14.4304, 19.9020



15.6585, 14.4304, 17.2463



13.2419, 14.4304, 10.9457

Complementary

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



12.3829, 14.4304, 19.9020



12.7664, 11.7173, 9.1787

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.



14.2413, 14.4304, 10.9698



12.3829, 14.4304, 19.9020



15.6702, 14.4304, 14.3791

Square

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



12.3829, 14.4304, 19.9020



15.1097, 14.4304, 19.9998



15.1408, 14.4304, 12.1561



12.4101, 14.4304, 12.0859

Rectangle

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



12.3829, 14.4304, 19.9020



13.8638, 14.4304, 21.8890



15.1408, 14.4304, 12.1561



13.5686, 14.4304, 10.8228

Sweetspot

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



12.3833, 14.4310, 19.9023



28.0135, 30.4329, 35.6507



11.8143, 15.8544, 11.8160



6.5555, 7.1472, 8.4407



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.



12.3833, 14.4310, 19.9023



20.1168, 23.9424, 34.8141



10.4685, 10.6013, 19.2641



4.0342, 4.3668, 5.0734



7.9583, 9.9990, 20.8959



37.3041, 46.3808, 99.4560

Inverse Universe

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



13.4840, 10.8785, 16.4286



22.4156, 16.8494, 27.4859



14.6272, 15.4389, 9.7990



4.1177, 4.0628, 4.8177



10.6003, 5.2163, 11.7180



50.2325, 24.7493, 54.1478

Previews

White Background



This preview shows how the XYZ color 12.3829, 14.4304, 19.9020 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 12.3829, 14.4304, 19.9020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

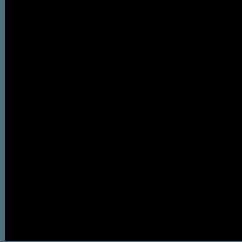
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3829, 14.4304, 19.9020

Background



This preview shows how black text looks on a background with the XYZ color 12.3829, 14.4304, 19.9020.



This preview shows how white text looks on a background with the XYZ color 12.3829, 14.4304,

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

12.3829, 14.4304, 19.9020

Protanopia

14.0297, 14.3674, 18.5567

Deuteranopia

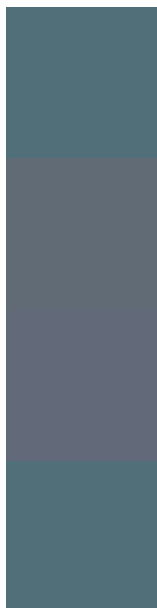
14.5474, 14.2938, 20.4046



Tritanopia

12.3829, 14.4304, 19.9020

Trichromacy



Original Color

12.3829, 14.4304, 19.9020

Protanomaly

13.2925, 14.2865, 18.8866

Deuteranomaly

13.6422, 14.2852, 20.1275

Tritanomaly

12.3829, 14.4304, 19.9020

Monochromacy



Original Color

12.3829, 14.4304, 19.9020

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6337, 13.8451, 16.4745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3829, 14.4304, 19.9020 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, 111, 120) looks like.

```
.text, #text, p{  
    color:rgb(80, 111, 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(80, 111, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 111, 120) }
```

Border

The CSS property to change the border of an element to XYZ 12.3829, 14.4304, 19.9020 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, 111, 120) }
```


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

```
.border{ border-color:rgb(80, 111, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 111, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 111, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 111, 120);  
box-shadow:4px 4px 4px 4px rgb(80, 111,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3829, 14.4304, 19.9020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 111, 120) }
```

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

```
.background{ background-color: rgb(80, 111,  
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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