

Converting Colors

XYZ(12.3247, 14.0806, 20.4074)

Have a look what the booklet for
XYZ(12.3247, 14.0806, 20.4074)
contains.

XYZ(12.2898, 14.0479, 20.4761)	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(12.2898, 14.0479,
20.4761)**

Conversions

Conversions Part 1

Format	Color
Hex	506D7A
RGB	80, 109, 122
RGB Percent	31%, 43%, 48%
CMY	0.6863, 0.5725, 0.5216
CMYK	0.34, 0.11, 0.00, 0.52
HSL	199°, 21%, 40%
HSV	199°, 34%, 48%
XYZ	12.2898, 14.0479, 20.4761
YIQ	101.8110, -21.4570, -2.1050

Conversions

Conversions Part 2

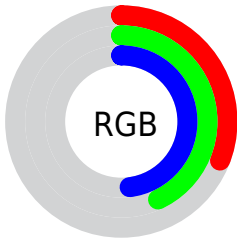
Format	Color
R_{YB}	80, 97, 122
Decimal	5270906
CIE Lab	44.30, -7.08, -10.62
CIE LCh	44, 12.763, 236.284
Yxy	14.0479, 0.2625, 0.3001
Android (android.graphics.Color)	4283460986 (0xFF506D7A)
YUV	101.8110, 9.9532, -19.1282
Hunter-Lab	37.4805, -7.0611, -6.1545

Details

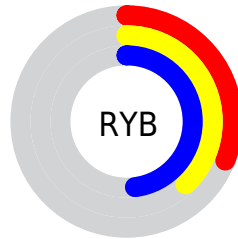
The XYZ color **12.2898, 14.0479, 20.4761** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.3887, 12.5458, 9.3058**, and the grayscale version is **12.5592, 13.2133, 14.3893**.

A 20% lighter version of the original color is **29.5709, 33.0229, 44.8599**, and **3.5209, 4.2334, 6.9349** is the 20% darker color. If you saturate the color by 10%, you get **10.9577, 12.7763, 20.3011**, and if you desaturate by 10%, it is **13.8272, 15.4517, 20.6663**.

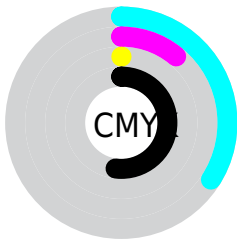
Distribution



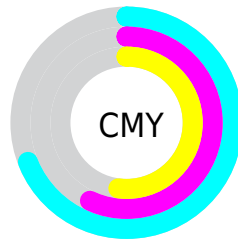
- Red (31%)
- Green (43%)
- Blue (48%)



- Red (31%)
- Yellow (38%)
- Blue (48%)



- Cyan (34%)
- Magenta (11%)
- Yellow (0%)
- Black (52%)



- Cyan (69%)
- Magenta (57%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2898, 14.0479, 20.4761 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 12.2898, 14.0479, 20.4761 by changing the saturation by 10% instead.

■ 12.2898, 14.0479,
20.4761

■ 12.2898, 14.0479,
20.4761

200.0455,
217.5286, 267.1700

■ 7.0150, 8.1540,
12.5541

■ 29.6341, 33.1740,
45.0834

■ 3.5179, 4.1936,
6.9951

■ 42.4343, 47.1750,
62.6057

■ 1.4332, 1.7825,
3.3806

■ 58.4737, 64.6471,
84.1653

■ 0.2797, 0.4762,
1.2921

■ 78.1176, 85.9747,
110.1806

■ 0.0000, 0.0000,
0.0553

■ 101.7314,
111.5423, 141.0702

■ 0.0000, 0.0000,
0.0000

129.6804,

141.7342, 177.2526

162.3300,
176.9349, 219.1463

■ 12.2898, 14.0479,
20.4761

■ 12.2898, 14.0479,
20.4761

■ 10.9577, 12.7763,
20.3011

■ 13.8272, 15.4517,
20.6663

■ 9.8191, 11.6295,
20.1398

■ 15.5781, 16.9913,
20.8712

■ 8.8634, 10.6020,
19.9918

■ 17.5520, 18.6721,
21.0915

■ 8.0777, 9.6869,
19.8566

■ 19.7572, 20.4987,
21.3279

■ 7.4480, 8.8766,
19.7334

■ 22.2017, 22.4757,
21.5807

■ 6.9535, 8.1600,
19.6211

■ 24.8931, 24.6071,
21.8502

■ 6.7019, 7.7833,
19.5617

■ 27.8386, 26.8971,
22.1370

■ 31.0451, 29.3493,
22.4413

■ 34.5193, 31.9677,
22.7636

Harmonies

Analogous

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



11.6651, 14.0479, 17.9283



12.2898, 14.0479, 20.4761



13.2250, 14.0479, 21.6338

Triad

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



12.2898, 14.0479, 20.4761



15.4126, 14.0479, 15.6638



12.4999, 14.0479, 10.7806

Complementary

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



12.2898, 14.0479, 20.4761



13.3887, 12.5458, 9.3058

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.



13.4800, 14.0479, 10.3350



12.2898, 14.0479, 20.4761



15.1945, 14.0479, 12.9345

Square

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



12.2898, 14.0479, 20.4761



15.0559, 14.0479, 18.6405



14.4739, 14.0479, 11.0723



11.7819, 14.0479, 12.3772

Rectangle

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



12.2898, 14.0479, 20.4761



13.9112, 14.0479, 21.3651



14.4739, 14.0479, 11.0723



12.8082, 14.0479, 10.5008

Sweetspot

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



12.2902, 14.0485, 20.4764



28.8104, 31.0987, 36.8771



12.2263, 16.4081, 12.7864



6.4999, 7.0358, 8.4221



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.



12.2902, 14.0485, 20.4764



19.8165, 23.0015, 35.7882



10.3442, 10.1564, 19.8278



4.0074, 4.3130, 5.0645



7.0485, 8.1793, 20.5926



32.8392, 37.4510, 97.9677

Inverse Universe

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



13.6554, 10.9795, 15.8681



22.6493, 16.9931, 26.1453



15.4466, 16.6617, 9.9918



4.1042, 4.0574, 4.7462



10.1411, 5.0326, 9.2997



47.9788, 23.8479, 42.2801

Previews

White Background



This preview shows how the XYZ color 12.2898, 14.0479, 20.4761 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 12.2898, 14.0479, 20.4761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

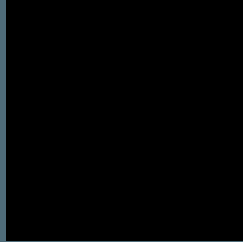
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2898, 14.0479, 20.4761

Background



This preview shows how black text looks on a background with the XYZ color 12.2898, 14.0479, 20.4761.

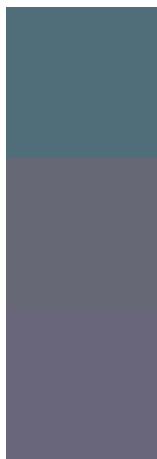


This preview shows how white text looks on a background with the XYZ color 12.2898, 14.0479,

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

12.2898, 14.0479, 20.4761

Protanopia

13.6998, 14.0334, 19.1262

Deuteranopia

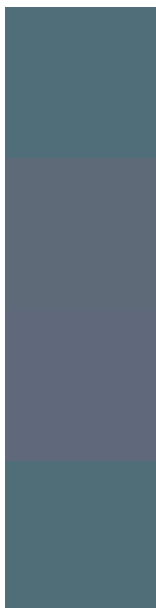
14.1522, 13.9361, 20.6829



Tritanopia

12.0704, 14.1221, 19.2292

Trichromacy



Original Color

12.2898, 14.0479, 20.4761

Protanomaly

13.0999, 14.0197, 19.4684

Deuteranomaly

13.4506, 14.0200, 20.7361

Tritanomaly

12.1302, 14.1460, 19.5439

Monochromacy



Original Color

12.2898, 14.0479, 20.4761

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.4280, 13.5870, 16.4355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2898, 14.0479, 20.4761 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, 109, 122) looks like.

```
.text, #text, p{  
  color:rgb(80, 109, 122)  
}
```

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, 109, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 109, 122) }
```

Border

The CSS property to change the border of an element to XYZ 12.2898, 14.0479, 20.4761 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, 109, 122) }
```


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

```
.border{ border-color:rgb(80, 109, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 109, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 109, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 109, 122);  
box-shadow:4px 4px 4px 4px rgb(80, 109,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2898, 14.0479, 20.4761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 109, 122) }
```

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

```
.background{ background-color: rgb(80, 109,  
122) }
```

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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