

Converting Colors

XYZ(12.2922, 14.0363, 27.9939)

Have a look what the booklet for
XYZ(12.2922, 14.0363, 27.9939)
contains.

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Color

**XYZ(12.2788, 14.0346,
28.0484)**

Conversions

Conversions Part 1

Format	Color
Hex	3A6E8F
RGB	58, 110, 143
RGB Percent	23%, 43%, 56%
CMY	0.7725, 0.5686, 0.4392
CMYK	0.59, 0.23, 0.00, 0.44
HSL	203°, 42%, 39%
HSV	203°, 59%, 56%
XYZ	12.2788, 14.0346, 28.0484
YIQ	98.2140, -41.5850, -0.7610

Conversions

Conversions Part 2

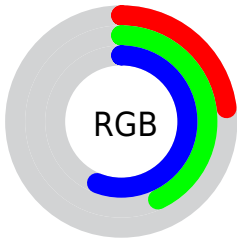
Format	Color
R_{YB}	58, 90, 143
Decimal	3829391
CIE _{Lab}	44.28, -7.08, -23.32
CIE _{LCh}	44, 24.371, 253.117
Yxy	14.0346, 0.2259, 0.2582
Android (android.graphics.Color)	4282019471 (0xFF3A6E8F)
YUV	98.2140, 22.0795, -35.2677
Hunter-Lab	37.4628, -7.0547, -18.1665

Details

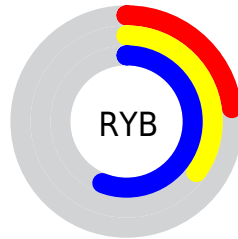
The XYZ color **12.2788, 14.0346, 28.0484** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **15.8330, 13.6280, 5.7995**, and the grayscale version is **11.6174, 12.2224, 13.3102**.

A 20% lighter version of the original color is **29.5050, 32.9657, 57.6313**, and **3.7533, 4.3453, 10.9968** is the 20% darker color. If you saturate the color by 10%, you get **10.9798, 12.5036, 27.8216**, and if you desaturate by 10%, it is **13.8473, 15.7608, 28.2992**.

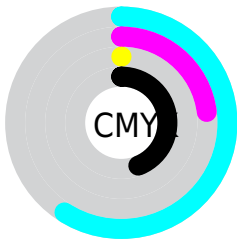
Distribution



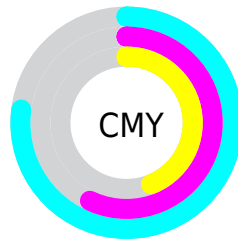
- Red (23%)
- Green (43%)
- Blue (56%)



- Red (23%)
- Yellow (35%)
- Blue (56%)



- Cyan (59%)
- Magenta (23%)
- Yellow (0%)
- Black (44%)



- Cyan (77%)
- Magenta (57%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2788, 14.0346, 28.0484 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 12.2788, 14.0346, 28.0484 by changing the saturation by 10% instead.

■ 12.2788, 14.0346,
28.0484

■ 12.2788, 14.0346,
28.0484

199.9748,
217.4460, 306.6173

■ 7.0074, 8.1447,
18.1228

■ 29.6143, 33.1504,
57.5857

■ 3.5131, 4.1877,
10.8678

■ 42.4092, 47.1451,
78.0345

■ 1.4306, 1.7791,
5.8650

■ 58.4426, 64.6103,
102.8282

■ 0.2778, 0.4741,
2.6957

■ 78.0798, 85.9302,
132.3851

■ 0.0000, 0.0000,
0.9413

■ 101.6863,
111.4894, 167.1240

■ 0.0000, 0.0000,
0.0000

129.6274,

141.6721, 207.4633

162.2685,
176.8629, 253.8215

■ 12.2788, 14.0346,
28.0484

■ 12.2788, 14.0346,
28.0484

■ 10.9798, 12.5036,
27.8216

■ 13.8473, 15.7608,
28.2992

■ 9.9284, 11.1547,
27.6167

■ 15.7018, 17.6908,
28.5740

■ 9.1015, 9.9752,
27.4326

■ 17.8593, 19.8348,
28.8741

■ 8.4409, 8.9341,
27.2665

■ 20.3348, 22.2012,
29.2004

■ 8.4053, 8.8779,
27.2575

■ 23.1423, 24.7984,
29.5537

■ 26.2950, 27.6339,
29.9349

■ 29.8052, 30.7151,
30.3446

■ 33.6847, 34.0487,
30.7836

■ 37.9447, 37.6415,
31.2525

Harmonies

Analogous

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



10.7829, 14.0346, 23.8691



12.2788, 14.0346, 28.0484



14.2095, 14.0346, 28.3234

Triad

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



12.2788, 14.0346, 28.0484



17.3391, 14.0346, 12.9693



10.9349, 14.0346, 8.7009

Complementary

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



12.2788, 14.0346, 28.0484



15.8330, 13.6280, 5.7995

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.



12.5057, 14.0346, 7.0209



12.2788, 14.0346, 28.0484



16.2712, 14.0346, 9.0486

Square

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



12.2788, 14.0346, 28.0484



17.2632, 14.0346, 18.6207



14.4595, 14.0346, 7.1303



10.0605, 14.0346, 12.3671

Rectangle

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



12.2788, 14.0346, 28.0484



15.4971, 14.0346, 26.1688



14.4595, 14.0346, 7.1303



11.3920, 14.0346, 7.9303

Sweetspot

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



12.2793, 14.0351, 28.0487



36.9191, 40.2305, 52.3574



13.4383, 21.2930, 13.2059



8.1800, 8.9564, 11.9698



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.



12.2793, 14.0351, 28.0487



19.0407, 21.6181, 49.7072



8.7655, 7.0075, 26.8775



5.3868, 5.7694, 6.8585



7.4525, 7.8911, 24.1074



0.0927, 0.1184, 0.2376

Inverse Universe

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



15.6557, 9.9921, 15.8559



25.9663, 14.8394, 24.3575



20.4907, 22.9434, 7.3521



5.5387, 5.4760, 6.3349



11.5648, 5.7829, 8.6256



0.1214, 0.0596, 0.1395

Previews

White Background



This preview shows how the XYZ color 12.2788, 14.0346, 28.0484 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 12.2788, 14.0346, 28.0484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

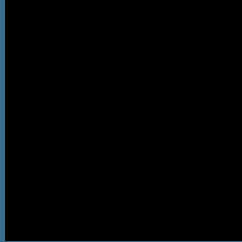
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2788, 14.0346, 28.0484

Background



This preview shows how black text looks on a background with the XYZ color 12.2788, 14.0346, 28.0484.



This preview shows how white text looks on a background with the XYZ color 12.2788, 14.0346,

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

12.2788, 14.0346, 28.0484

Protanopia

14.1570, 13.9684, 25.9948

Deuteranopia

14.2755, 13.9690, 28.7319



Tritanopia

10.8591, 14.1177, 20.8915

Trichromacy



Original Color

12.2788, 14.0346, 28.0484

Protanomaly

13.3673, 13.9954, 26.8078

Deuteranomaly

13.4125, 13.9839, 28.3778

Tritanomaly

11.3506, 14.1520, 23.2525

Monochromacy



Original Color

12.2788, 14.0346, 28.0484

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.3559, 12.5566, 17.7447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2788, 14.0346, 28.0484 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(58, 110, 143)` looks like.

```
.text, #text, p{  
    color:rgb(58, 110, 143)  
}
```

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(58, 110, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 110, 143) }
```

Border

The CSS property to change the border of an element to XYZ 12.2788, 14.0346, 28.0484 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(58, 110, 143) }
```


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

```
.border{ border-color:rgb(58, 110, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 110, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 110, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 110, 143);  
box-shadow:4px 4px 4px 4px rgb(58, 110,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2788, 14.0346, 28.0484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 110, 143) }
```

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

```
.background{ background-color: rgb(58, 110,  
143) }
```

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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