

Converting Colors

XYZ(5.5339, 10.1854, 40.4899)

Have a look what the booklet for
XYZ(5.5339, 10.1854, 40.4899)
contains.

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Color

**XYZ(12.9150, 13.9158,
41.0351)**

Conversions

Conversions Part 1

Format	Color
Hex	006DAC
RGB	0, 109, 172
RGB Percent	0%, 43%, 67%
CMY	0.9999, 0.5725, 0.3255
CMYK	1.00, 0.37, 0.00, 0.33
HSL	202°, 100%, 34%
HSV	202°, 100%, 67%
XYZ	12.9150, 13.9158, 41.0351
YIQ	83.5910, -85.1870, -3.5150

Conversions

Conversions Part 2

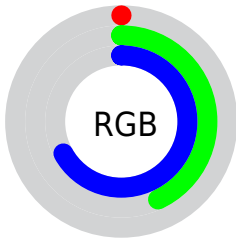
Format	Color
RYB	0, 67, 172
Decimal	28076
CIELab	44.11, -2.05, -40.82
CIELCh	44, 40.875, 267.124
Yxy	13.9158, 0.1903, 0.2050
Android (android.graphics.Color)	4278218156 (0xFF006DAC)
YUV	83.5910, 43.5856, -73.3093
Hunter-Lab	37.3039, -3.4832, -39.1076

Details

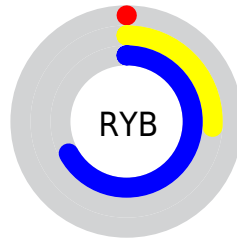
The XYZ color **12.9150, 13.9158, 41.0351** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **18.7927, 12.3290, 1.3901**, and the grayscale version is **8.2706, 8.7013, 9.4758**.

A 20% lighter version of the original color is **30.7908, 32.9167, 78.1295**, and **5.0524, 4.7772, 18.1086** is the 20% darker color. If you saturate the color by 10%, you get **12.9141, 13.9138, 41.0351**, and if you desaturate by 10%, it is **13.8470, 15.4303, 41.2786**.

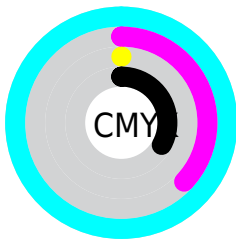
Distribution



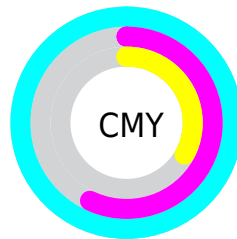
- Red (0%)
- Green (43%)
- Blue (67%)



- Red (0%)
- Yellow (26%)
- Blue (67%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (57%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9150, 13.9158, 41.0351 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 12.9150, 13.9158, 41.0351 by changing the saturation by 10% instead.

■ 12.9150, 13.9158,
41.0351

■ 12.9150, 13.9158,
41.0351

204.0208,
216.7064, 366.1483

■ 7.4466, 8.0621,
28.0266

■ 30.7536, 32.9396,
77.9914

■ 3.7918, 4.1347,
18.1065

■ 43.8546, 46.8784,
102.7763

■ 1.5850, 1.7492,
10.8562

■ 60.2304, 64.2811,
132.3238

■ 0.3826, 0.4552,
5.8573

■ 80.2466, 85.5321,
167.0523

■ 0.0000, 0.0000,
2.6911

■ 104.2683,
111.0157, 207.3805

■ 0.0000, 0.0000,
0.9390

■ 132.6610,

■ 0.0000, 0.0000,

141.1164, 253.7269

0.0000

165.7901,
176.2185, 306.5100

■ 12.9150, 13.9158,
41.0351

■ 12.9150, 13.9158,
41.0351

■ 12.9141, 13.9138,
41.0351

■ 13.8470, 15.4303,
41.2786

■ 15.0313, 17.1478,
41.5477

■ 16.5503, 19.1122,
41.8468

■ 18.4421, 21.3445,
42.1780

■ 20.7391, 23.8628,
42.5430

■ 23.4701, 26.6832,
42.9435

■ 26.6609, 29.8203,
43.3808

■ 30.3351, 33.2876,
43.8564

■ 34.5150, 37.0975,
44.3715

Harmonies

Analogous

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



10.1114, 13.9158, 35.7458



12.9150, 13.9158, 41.0351



16.2907, 13.9158, 37.3634

Triad

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



12.9150, 13.9158, 41.0351



19.6166, 13.9158, 8.3601



8.6351, 13.9158, 7.3553

Complementary

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



12.9150, 13.9158, 41.0351



18.7927, 12.3290, 1.3901

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.



10.5730, 13.9158, 4.1417



12.9150, 13.9158, 41.0351



16.9237, 13.9158, 4.5321

Square

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



12.9150, 13.9158, 41.0351



20.5151, 13.9158, 16.0692



13.5431, 13.9158, 3.3738



7.9080, 13.9158, 14.2703

Rectangle

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



12.9150, 13.9158, 41.0351



18.3646, 13.9158, 30.9158



13.5431, 13.9158, 3.3738



9.1491, 13.9158, 5.9345

Sweetspot

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



12.9156, 13.9162, 41.0355



48.0228, 53.7670, 78.6528



15.5744, 29.8341, 9.2431



9.9060, 11.1687, 17.0214



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.9156, 13.9162, 41.0355



23.2107, 24.8072, 74.3707



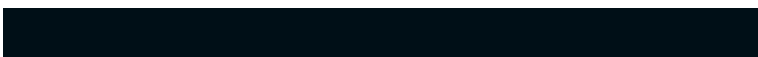
7.8124, 3.7098, 39.3344



7.9859, 8.5712, 10.1862



9.6637, 10.4613, 30.5544



0.3186, 0.3905, 0.8666

Inverse Universe

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



19.7741, 9.8755, 15.3322



35.7616, 17.8701, 27.2319



27.3241, 29.3918, 4.2339



8.2107, 8.0975, 9.4203



14.7414, 7.3591, 11.5498



0.4352, 0.2148, 0.4535

Previews

White Background



This preview shows how the XYZ color 12.9150, 13.9158, 41.0351 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 12.9150, 13.9158, 41.0351 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 12.9150, 13.9158, 41.0351

Background



This preview shows how black text looks on a background with the XYZ color 12.9150, 13.9158, 41.0351.



This preview shows how white text looks on a background with the XYZ color 12.9150, 13.9158,

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

12.9150, 13.9158, 41.0351

Protanopia

14.9426, 13.9614, 37.9837

Deuteranopia

14.3393, 14.0198, 41.4855



Tritanopia

9.8835, 13.9460, 21.2397

Trichromacy



Original Color

12.9150, 13.9158, 41.0351

Protanomaly

13.4847, 13.6341, 38.9667

Deuteranomaly

13.4598, 13.7185, 41.4737

Tritanomaly

10.7128, 13.7333, 27.2855

Monochromacy



Original Color

12.9150, 13.9158, 41.0351

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

8.5349, 9.8465, 17.9737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9150, 13.9158, 41.0351 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(0, 109, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 172)  
}
```

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(0, 109, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 172) }
```

Border

The CSS property to change the border of an element to XYZ 12.9150, 13.9158, 41.0351 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(0, 109, 172) }
```


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

```
.border{ border-color:rgb(0, 109, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 109, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9150, 13.9158, 41.0351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 172) }
```

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

```
.background{ background-color: rgb(0, 109,  
172) }
```

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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