

Converting Colors

XYZ(12.8139, 15.0994, 29.8468)

Have a look what the booklet for
XYZ(12.8139, 15.0994, 29.8468)
contains.

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Color

**XYZ(12.8134, 15.0981,
29.8427)**

Conversions

Conversions Part 1

Format	Color
Hex	347393
RGB	52, 115, 147
RGB Percent	20%, 45%, 58%
CMY	0.7961, 0.5490, 0.4235
CMYK	0.65, 0.22, 0.00, 0.42
HSL	200°, 48%, 39%
HSV	200°, 65%, 58%
XYZ	12.8134, 15.0981, 29.8427
YIQ	99.8110, -47.8200, -3.4040

Conversions

Conversions Part 2

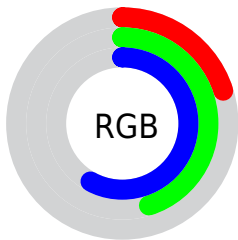
Format	Color
RYB	52, 90, 147
Decimal	3437459
CIELab	45.77, -9.87, -23.42
CIELCh	46, 25.410, 247.154
Yxy	15.0981, 0.2219, 0.2614
Android (android.graphics.Color)	4281627539 (0xFF347393)
YUV	99.8110, 23.2642, -41.9302
Hunter-Lab	38.8563, -9.1356, -18.3370

Details

The XYZ color **12.8134, 15.0981, 29.8427** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **15.8235, 12.7926, 4.8848**, and the grayscale version is **12.0170, 12.6428, 13.7680**.

A 20% lighter version of the original color is **30.5457, 35.0426, 60.4123**, and **4.1185, 4.8588, 11.7871** is the 20% darker color. If you saturate the color by 10%, you get **11.6218, 13.6682, 29.6298**, and if you desaturate by 10%, it is **14.2720, 16.7112, 30.0775**.

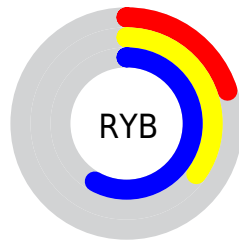
Distribution



Red (20%)

Green (45%)

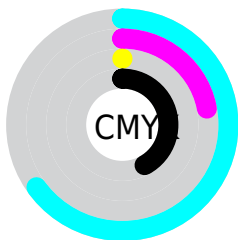
Blue (58%)



Red (20%)

Yellow (35%)

Blue (58%)

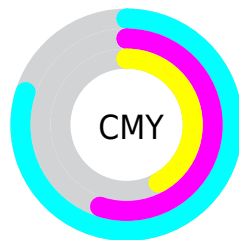


Cyan (65%)

Magenta (22%)

Yellow (0%)

Black (42%)



Cyan (80%)

Magenta (55%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8134, 15.0981, 29.8427 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 12.8134, 15.0981, 29.8427 by changing the saturation by 10% instead.

■ 12.8134, 15.0981,
29.8427

■ 12.8134, 15.0981,
29.8427

203.3802,
223.9592, 315.3550

■ 7.3763, 8.8883,
19.4682

■ 30.5723, 35.0252,
60.4714

■ 3.7469, 4.6684,
11.8288

■ 43.6248, 49.5112,
81.5626

■ 1.5600, 2.0540,
6.5061

■ 59.9465, 67.5248,
107.0632

■ 0.3661, 0.6386,
3.0815

■ 79.9028, 89.4503,
137.3917

■ 0.0000, 0.0000,
1.1364

■ 103.8589,
115.6720, 172.9666

■ 0.0000, 0.0000,
0.0000

■ 132.1803,

146.5745, 214.2064

165.2322,
182.5421, 261.5297

■ 12.8134, 15.0981,
29.8427

■ 12.8134, 15.0981,
29.8427

■ 11.6218, 13.6682,
29.6298

■ 14.2720, 16.7112,
30.0775

■ 10.6725, 12.4073,
29.4364

■ 16.0164, 18.5171,
30.3341

■ 9.9367, 11.3000,
29.2615

■ 18.0652, 20.5264,
30.6140

■ 9.5860, 10.7455,
29.1730

■ 20.4350, 22.7482,
30.9179

■ 23.1412, 25.1910,
31.2468

■ 26.1980, 27.8630,
31.6014

■ 29.6190, 30.7715,
31.9825

■ 33.4167, 33.9239,
32.3908

■ 37.6032, 37.3268,
32.8270

Harmonies

Analogous

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



11.3183, 15.0981, 24.6196



12.8134, 15.0981, 29.8427



14.8681, 15.0981, 31.0973

Triad

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



12.8134, 15.0981, 29.8427



18.8254, 15.0981, 15.0169



12.0090, 15.0981, 8.7310

Complementary

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



12.8134, 15.0981, 29.8427



15.8235, 12.7926, 4.8848

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.



13.8447, 15.0981, 7.3096



12.8134, 15.0981, 29.8427



17.8805, 15.0981, 10.3072

Square

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



12.8134, 15.0981, 29.8427



18.4796, 15.0981, 21.4443



16.0054, 15.0981, 7.8048



10.8871, 15.0981, 12.2807

Rectangle

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



12.8134, 15.0981, 29.8427



16.3083, 15.0981, 29.2899



16.0054, 15.0981, 7.8048



12.5556, 15.0981, 8.0345

Sweetspot

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



12.8139, 15.0986, 29.8431



39.0543, 42.9766, 55.6715



13.4377, 22.2329, 11.9032



8.6296, 9.5518, 12.6737



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.8139, 15.0986, 29.8431



19.9143, 23.3161, 52.8855



8.7404, 6.9516, 28.4852



5.8012, 6.2364, 7.3677



8.3338, 9.3625, 25.2989



0.1293, 0.1692, 0.3187

Inverse Universe

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



16.3556, 9.8975, 17.2685



27.1871, 14.6931, 26.6024



20.7917, 22.7290, 6.5408



5.9531, 5.8763, 6.8592



12.3336, 6.1385, 10.5038



0.1647, 0.0806, 0.2011

Previews

White Background



This preview shows how the XYZ color 12.8134, 15.0981, 29.8427 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 12.8134, 15.0981, 29.8427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

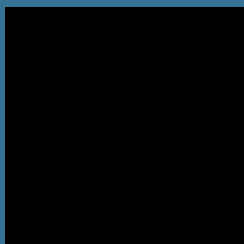
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

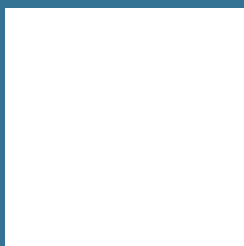
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8134, 15.0981, 29.8427

Background



This preview shows how black text looks on a background with the XYZ color 12.8134, 15.0981, 29.8427.



This preview shows how white text looks on a background with the XYZ color 12.8134, 15.0981,

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

12.8134, 15.0981, 29.8427

Protanopia

15.2110, 15.0911, 27.3105

Deuteranopia

15.4018, 15.1182, 30.5401



Tritanopia

11.3296, 15.0076, 22.7217

Trichromacy



Original Color

12.8134, 15.0981, 29.8427

Protanomaly

14.0135, 14.9289, 28.1296

Deuteranomaly

14.1457, 14.9522, 30.1575

Tritanomaly

11.8612, 15.0527, 25.2020

Monochromacy



Original Color

12.8134, 15.0981, 29.8427

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.8297, 13.2265, 18.7591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8134, 15.0981, 29.8427 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(52, 115, 147)` looks like.

```
.text, #text, p{  
    color:rgb(52, 115, 147)  
}
```

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(52, 115, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 115, 147) }
```

Border

The CSS property to change the border of an element to XYZ 12.8134, 15.0981, 29.8427 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(52, 115, 147) }
```


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

```
.border{ border-color:rgb(52, 115, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 115, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 115, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 115, 147);  
box-shadow:4px 4px 4px 4px rgb(52, 115,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8134, 15.0981, 29.8427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 115, 147) }
```

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

```
.background{ background-color: rgb(52, 115,  
147) }
```

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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