

Converting Colors

XYZ(12.9118, 12.5187, 44.1192)

Have a look what the booklet for
XYZ(12.9118, 12.5187, 44.1192)
contains.

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Color

**XYZ(12.9433, 12.4976,
44.3779)**

Conversions

Conversions Part 1

Format	Color
Hex	1264B3
RGB	18, 100, 179
RGB Percent	7%, 39%, 70%
CMY	0.9293, 0.6078, 0.2980
CMYK	0.90, 0.44, 0.00, 0.30
HSL	209°, 82%, 39%
HSV	209°, 90%, 70%
XYZ	12.9433, 12.4976, 44.3779
YIQ	84.4880, -74.2310, 7.1850

Conversions

Conversions Part 2

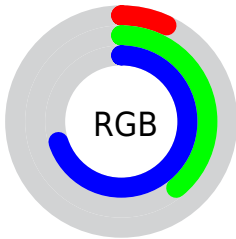
Format	Color
R_{YB}	18, 72, 179
Decimal	1205427
CIE _{Lab}	42.00, 7.26, -48.29
CIE _{LCh}	42, 48.834, 278.545
Yxy	12.4976, 0.1854, 0.1790
Android (android.graphics.Color)	4279395507 (0xFF1264B3)
YUV	84.4880, 46.5944, -58.3100
Hunter-Lab	35.3519, 3.4878, -49.6814

Details

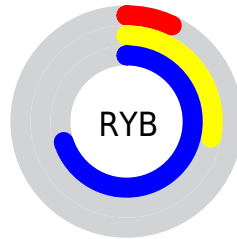
The XYZ color **12.9433, 12.4976, 44.3779** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **22.9767, 18.1811, 2.8716**, and the grayscale version is **8.4468, 8.8867, 9.6776**.

A 20% lighter version of the original color is **30.7256, 30.2976, 82.8259**, and **5.0851, 4.1447, 20.2707** is the 20% darker color. If you saturate the color by 10%, you get **11.8979, 10.7747, 44.1007**, and if you desaturate by 10%, it is **14.3073, 14.5198, 44.6966**.

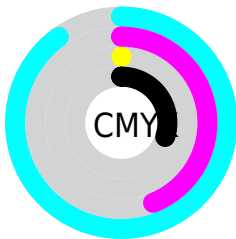
Distribution



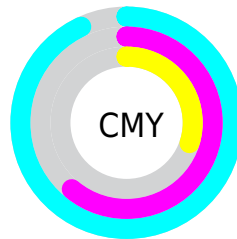
- Red (7%)
- Green (39%)
- Blue (70%)



- Red (7%)
- Yellow (28%)
- Blue (70%)



- Cyan (90%)
- Magenta (44%)
- Yellow (0%)
- Black (30%)



- Cyan (93%)
- Magenta (61%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9433, 12.4976, 44.3779 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 12.9433, 12.4976, 44.3779 by changing the saturation by 10% instead.

■ 12.9433, 12.4976,
44.3779

■ 12.9433, 12.4976,
44.3779

■ 204.1989,
207.6723, 380.3346

■ 7.4662, 7.0835,
30.6283

■ 30.8041, 30.3982,
83.0946

■ 3.8043, 3.5144,
20.0599

■ 43.9185, 43.6535,
108.8989

■ 1.5920, 1.4058,
12.2541

■ 60.3094, 60.2913,
139.5584

■ 0.3872, 0.2210,
6.7923

■ 80.3422, 80.6961,
175.4918

■ 0.0000, 0.0000,
3.2561

■ 104.3822,
105.2522, 217.1175

■ 0.0000, 0.0000,
1.2268

■ 132.7947,

■ 0.0000, 0.0000,

134.3440, 264.8542

0.0007

165.9452,
168.3559, 319.1204

■ 0.0000, 0.0000,
0.0000

■ 12.9433, 12.4976,
44.3779

■ 12.9433, 12.4976,
44.3779

■ 11.8979, 10.7747,
44.1007

■ 14.3073, 14.5198,
44.6966

■ 11.8912, 10.7635,
44.0989

■ 16.0764, 16.8898,
45.0608

■ 18.2948, 19.6342,
45.4736

■ 20.9999, 22.7761,
45.9375

■ 24.2248, 26.3362,
46.4547

■ 27.9995, 30.3334,
47.0273

■ 32.3515, 34.7852,
47.6572

■ 37.3063, 39.7082,
48.3463

■ 42.8880, 45.1177,
49.0963

Harmonies

Analogous

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



9.5099, 12.4976, 41.8751



12.9433, 12.4976, 44.3779



16.7659, 12.4976, 35.9151

Triad

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



12.9433, 12.4976, 44.3779



18.1975, 12.4976, 4.5816



6.5061, 12.4976, 7.5405

Complementary

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



12.9433, 12.4976, 44.3779



22.9767, 18.1811, 2.8716

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.



8.0473, 12.4976, 3.2124



12.9433, 12.4976, 44.3779



14.6111, 12.4976, 2.2085

Square

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



12.9433, 12.4976, 44.3779



20.1782, 12.4976, 10.8551



10.8739, 12.4976, 1.8810



6.2387, 12.4976, 16.7904

Rectangle

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



12.9433, 12.4976, 44.3779



18.8616, 12.4976, 26.8879



10.8739, 12.4976, 1.8810



6.8748, 12.4976, 5.6302

Sweetspot

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



12.9438, 12.4980, 44.3782



51.9773, 56.2225, 84.4937



18.4735, 33.2106, 16.4617



10.9673, 11.8874, 18.6387



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



12.9438, 12.4980, 44.3782



21.0712, 18.8262, 78.9044



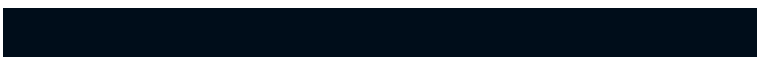
8.6494, 3.9091, 42.9468



8.3877, 8.9217, 10.7863



8.4681, 7.7366, 31.1840



0.3247, 0.3599, 1.0006

Inverse Universe

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



21.1075, 10.9372, 13.0553



36.5751, 18.4763, 18.8314



34.2876, 40.8029, 6.6418



8.6709, 8.5751, 9.7654



14.5090, 7.3211, 7.8402



0.4859, 0.2421, 0.4014

Previews

White Background



This preview shows how the XYZ color 12.9433, 12.4976, 44.3779 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 12.9433, 12.4976, 44.3779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

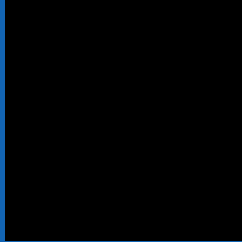
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9433, 12.4976, 44.3779

Background



This preview shows how black text looks on a background with the XYZ color 12.9433, 12.4976, 44.3779.



This preview shows how white text looks on a background with the XYZ color 12.9433, 12.4976,

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

12.9433, 12.4976, 44.3779

Protanopia

13.9073, 12.4850, 42.2343

Deuteranopia

12.5931, 12.3287, 43.8354



Tritanopia

8.7868, 12.4362, 18.7669

Trichromacy



Original Color

12.9433, 12.4976, 44.3779

Protanomaly

13.2379, 12.2648, 42.7439

Deuteranomaly

12.6807, 12.3739, 43.8395

Tritanomaly

9.9753, 12.2467, 26.6490

Monochromacy



Original Color

12.9433, 12.4976, 44.3779

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

8.8494, 9.6049, 18.8403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9433, 12.4976, 44.3779 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(18, 100, 179)` looks like.

```
.text, #text, p{  
    color:rgb(18, 100, 179)  
}
```

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(18, 100, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 100, 179) }
```

Border

The CSS property to change the border of an element to XYZ 12.9433, 12.4976, 44.3779 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(18, 100, 179) }
```


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

```
.border{ border-color:rgb(18, 100, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 100, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 100, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 100, 179);  
box-shadow:4px 4px 4px 4px rgb(18, 100,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9433, 12.4976, 44.3779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 100, 179) }
```

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

```
.background{ background-color: rgb(18, 100,  
179) }
```

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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