

Converting Colors

XYZ(12.4853, 11.9366, 44.3436)

Have a look what the booklet for
XYZ(12.4853, 11.9366, 44.3436)
contains.

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Color

**XYZ(12.5044, 11.9900,
44.3031)**

Conversions

Conversions Part 1

Format	Color
Hex	0062B3
RGB	0, 98, 179
RGB Percent	0%, 38%, 70%
CMY	0.9998, 0.6157, 0.2980
CMYK	1.00, 0.45, 0.00, 0.30
HSL	207°, 100%, 35%
HSV	207°, 100%, 70%
XYZ	12.5044, 11.9900, 44.3031
YIQ	77.9320, -84.4090, 4.4150

Conversions

Conversions Part 2

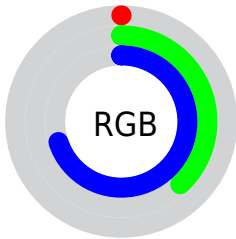
Format	Color
RYB	0, 63, 179
Decimal	25267
CIELab	41.20, 7.75, -49.58
CIELCh	41, 50.183, 278.880
Yxy	11.9900, 0.1818, 0.1743
Android (android.graphics.Color)	4278215347 (0xFF0062B3)
YUV	77.9320, 49.8265, -68.3464
Hunter-Lab	34.6266, 3.8637, -51.6202

Details

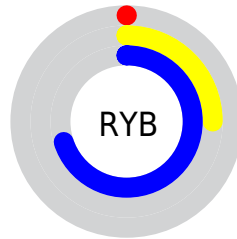
The XYZ color **12.5044, 11.9900, 44.3031** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **21.5362, 15.4747, 1.8530**, and the grayscale version is **7.1515, 7.5239, 8.1935**.

A 20% lighter version of the original color is **29.9989, 29.4533, 82.7012**, and **4.9748, 4.0269, 19.9171** is the 20% darker color. If you saturate the color by 10%, you get **12.5028, 11.9867, 44.3028**, and if you desaturate by 10%, it is **13.5496, 13.7118, 44.5806**.

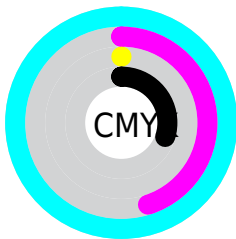
Distribution



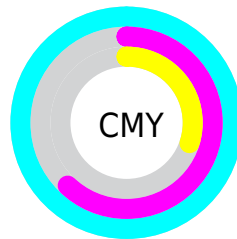
- Red (0%)
- Green (38%)
- Blue (70%)



- Red (0%)
- Yellow (25%)
- Blue (70%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (62%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5044, 11.9900, 44.3031 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 12.5044, 11.9900, 44.3031 by changing the saturation by 10% instead.

■ 12.5044, 11.9900,
44.3031

■ 12.5044, 11.9900,
44.3031

201.4190,
204.3391, 380.0212

■ 7.1628, 6.7369,
30.5699

■ 30.0194, 29.4769,
82.9810

■ 3.6114, 3.2981,
20.0159

■ 42.9236, 42.4794,
108.7627

■ 1.4847, 1.2893,
12.2224

■ 59.0793, 58.8339,
139.3978

■ 0.3154, 0.1329,
6.7709

■ 78.8520, 78.9247,
175.3047

■ 0.0000, 0.0000,
3.2430

■ 102.6069,
103.1363, 216.9019

■ 0.0000, 0.0000,
1.2200

■ 130.7095,

■ 0.0000, 0.0000,

131.8529, 264.6081

0.0000

163.5251,
165.4590, 318.8416

■ 12.5044, 11.9900,
44.3031

■ 12.5044, 11.9900,
44.3031

■ 12.5028, 11.9867,
44.3028

■ 13.5496, 13.7118,
44.5806

■ 14.8990, 15.7075,
44.8947

■ 16.6413, 18.0260,
45.2504

■ 18.8194, 20.6925,
45.6503

■ 21.4703, 23.7288,
46.0967

■ 24.6266, 27.1546,
46.5915

■ 28.3176, 30.9876,
47.1368

■ 32.5704, 35.2445,
47.7344

■ 37.4101, 39.9407,
48.3857

Harmonies

Analogous

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



9.0682, 11.9900, 41.8656



12.5044, 11.9900, 44.3031



16.3458, 11.9900, 35.5257

Triad

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



12.5044, 11.9900, 44.3031



17.7168, 11.9900, 4.1159



6.0594, 11.9900, 7.1103

Complementary

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



12.5044, 11.9900, 44.3031



21.5362, 15.4747, 1.8530

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.



7.5625, 11.9900, 2.8750



12.5044, 11.9900, 44.3031



14.0919, 11.9900, 1.8928

Square

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



12.5044, 11.9900, 44.3031



19.7466, 11.9900, 10.2141



10.3554, 11.9900, 1.6052



5.8108, 11.9900, 16.3794

Rectangle

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



12.5044, 11.9900, 44.3031



18.4516, 11.9900, 26.3012



10.3554, 11.9900, 1.6052



6.4167, 11.9900, 5.2264

Sweetspot

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



12.5049, 11.9903, 44.3034



50.3413, 55.1157, 84.3663



17.5899, 32.8284, 13.1101



10.5210, 11.5606, 18.5991



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.



12.5049, 11.9903, 44.3034



22.1646, 21.0131, 79.2689



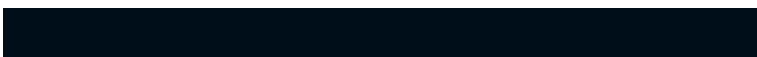
8.2348, 3.4501, 42.8800



8.4146, 8.9753, 10.7952



8.9007, 8.6018, 31.3282



0.3374, 0.3853, 1.0048

Inverse Universe

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



20.7956, 10.4665, 12.4795



37.1271, 18.6970, 21.7378



32.9753, 38.3530, 5.6660



8.6844, 8.5805, 9.8367



14.7273, 7.4085, 8.9900



0.4923, 0.2447, 0.4353

Previews

White Background



This preview shows how the XYZ color 12.5044, 11.9900, 44.3031 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 12.5044, 11.9900, 44.3031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

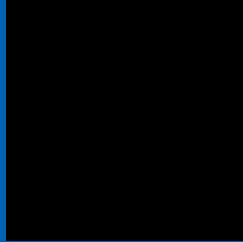
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5044, 11.9900, 44.3031

Background



This preview shows how black text looks on a background with the XYZ color 12.5044, 11.9900, 44.3031.



This preview shows how white text looks on a background with the XYZ color 12.5044, 11.9900,

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

12.5044, 11.9900, 44.3031

Protanopia

13.4855, 12.0001, 42.1629

Deuteranopia

12.1997, 12.0188, 42.2343



Tritanopia

8.4571, 11.9629, 18.0830

Trichromacy



Original Color

12.5044, 11.9900, 44.3031

Protanomaly

12.6916, 11.7123, 42.6661

Deuteranomaly

12.2983, 12.0583, 42.7536

Tritanomaly

9.5378, 11.7356, 25.8073

Monochromacy



Original Color

12.5044, 11.9900, 44.3031

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

7.6584, 8.4129, 17.4399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5044, 11.9900, 44.3031 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, 98, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 98, 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(0, 98, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 98, 179) }
```

Border

The CSS property to change the border of an element to XYZ 12.5044, 11.9900, 44.3031 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, 98, 179) }
```


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

```
.border{ border-color:rgb(0, 98, 179) }
```

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

Here you see how a box with a 4 pixel rgb(0, 98, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 98, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 98, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 98, 179)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.5044, 11.9900, 44.3031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 98, 179) }
```

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

```
.background{ background-color: rgb(0, 98,  
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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