

Converting Colors

XYZ(7.3726, 9.5713, 45.8236)

Have a look what the booklet for
XYZ(7.3726, 9.5713, 45.8236)
contains.

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Color

**XYZ(13.0007, 12.4917,
45.9819)**

Conversions

Conversions Part 1

Format	Color
Hex	0064B6
RGB	0, 100, 182
RGB Percent	0%, 39%, 71%
CMY	0.9998, 0.6078, 0.2863
CMYK	1.00, 0.45, 0.00, 0.29
HSL	207°, 100%, 36%
HSV	207°, 100%, 71%
XYZ	13.0007, 12.4917, 45.9819
YIQ	79.4480, -85.9220, 4.3020

Conversions

Conversions Part 2

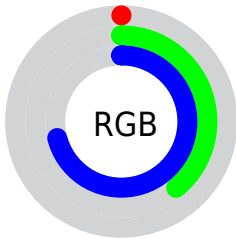
Format	Color
R _{YB}	0, 65, 182
Decimal	25782
CIE Lab	41.99, 7.68, -50.07
CIE LCh	42, 50.658, 278.715
Yxy	12.4917, 0.1819, 0.1748
Android (android.graphics.Color)	4278215862 (0xFF0064B6)
YUV	79.4480, 50.5581, -69.6759
Hunter-Lab	35.3436, 3.8077, -52.3956

Details

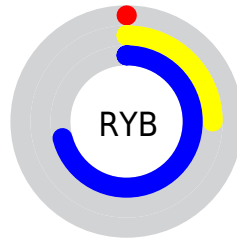
The XYZ color **13.0007, 12.4917, 45.9819** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **22.3122, 15.9861, 1.9108**, and the grayscale version is **7.4379, 7.8253, 8.5218**.

A 20% lighter version of the original color is **30.9000, 30.3200, 85.8851**, and **5.2154, 4.1968, 20.9573** is the 20% darker color. If you saturate the color by 10%, you get **12.9990, 12.4882, 45.9816**, and if you desaturate by 10%, it is **14.0814, 14.2761, 46.2697**.

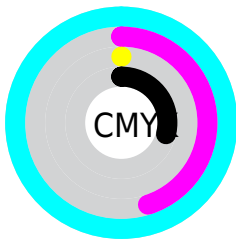
Distribution



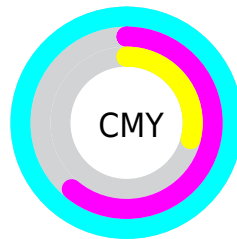
- Red (0%)
- Green (39%)
- Blue (71%)



- Red (0%)
- Yellow (25%)
- Blue (71%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (61%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0007, 12.4917, 45.9819 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 13.0007, 12.4917, 45.9819 by changing the saturation by 10% instead.

■ 13.0007, 12.4917,
45.9819

■ 13.0007, 12.4917,
45.9819

204.5597,
207.6338, 387.0113

■ 7.5060, 7.0795,
31.8830

■ 30.9063, 30.3875,
85.5259

■ 3.8297, 3.5119,
21.0081

■ 44.0480, 43.6399,
111.8081

■ 1.6062, 1.4044,
12.9386

■ 60.4694, 60.2745,
142.9884

■ 0.3965, 0.2200,
7.2560

■ 80.5359, 80.6756,
179.4854

■ 0.0000, 0.0000,
3.5419

■ 104.6128,
105.2277, 221.7177

■ 0.0000, 0.0000,
1.3775

■ 133.0655,

■ 0.0000, 0.0000,

134.3152, 270.1037

0.1241

166.2593,
168.3225, 325.0621

■ 0.0000, 0.0000,
0.0000

■ 13.0007, 12.4917,
45.9819

■ 13.0007, 12.4917,
45.9819

■ 12.9990, 12.4882,
45.9816

■ 14.0814, 14.2761,
46.2697

■ 15.4787, 16.3446,
46.5953

■ 17.2833, 18.7472,
46.9639

■ 19.5404, 21.5102,
47.3783

■ 22.2883, 24.6563,
47.8407

■ 25.5609, 28.2059,
48.3533

■ 29.3889, 32.1775,
48.9182

■ 33.8004, 36.5884,
49.5371

■ 38.8215, 41.4546,
50.2117

Harmonies

Analogous

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



9.4404, 12.4917, 43.3928



13.0007, 12.4917, 45.9819



16.9847, 12.4917, 36.9520

Triad

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



13.0007, 12.4917, 45.9819



18.4436, 12.4917, 4.3353



6.3367, 12.4917, 7.3918

Complementary

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



13.0007, 12.4917, 45.9819



22.3122, 15.9861, 1.9108

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.



7.9060, 12.4917, 3.0066



13.0007, 12.4917, 45.9819



14.6912, 12.4917, 2.0006

Square

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



13.0007, 12.4917, 45.9819



20.5338, 12.4917, 10.7032



10.8124, 12.4917, 1.6916



6.0713, 12.4917, 16.9805

Rectangle

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



13.0007, 12.4917, 45.9819



19.1727, 12.4917, 27.4108



10.8124, 12.4917, 1.6916



6.7105, 12.4917, 5.4420

Sweetspot

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



13.0013, 12.4921, 45.9822



52.8874, 57.9356, 88.6309



18.2486, 34.0644, 13.5806



11.0140, 12.1104, 19.4786



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



13.0013, 12.4921, 45.9822



23.3276, 22.1625, 83.2840



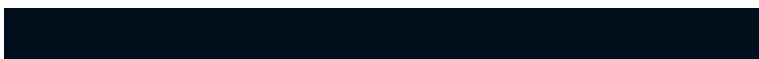
8.5433, 3.5761, 44.4962



8.9190, 9.5152, 11.4460



9.2468, 8.9533, 32.4939



0.3869, 0.4374, 1.1658

Inverse Universe

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



21.5922, 10.8661, 13.0160



39.0231, 19.6495, 22.9530



34.2167, 39.7950, 5.8790



9.2055, 9.0926, 10.4294



15.2810, 7.6862, 9.3667



0.5694, 0.2832, 0.4920

Previews

White Background



This preview shows how the XYZ color 13.0007, 12.4917, 45.9819 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 13.0007, 12.4917, 45.9819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

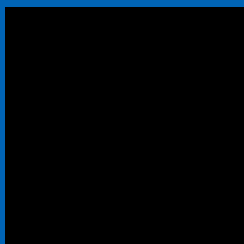
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0007, 12.4917, 45.9819

Background



This preview shows how black text looks on a background with the XYZ color 13.0007, 12.4917, 45.9819.



This preview shows how white text looks on a background with the XYZ color 13.0007, 12.4917,

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

13.0007, 12.4917, 45.9819

Protanopia

14.0224, 12.5099, 43.7951

Deuteranopia

12.6896, 12.5217, 43.8676



Tritanopia

8.7868, 12.4362, 18.7669

Trichromacy



Original Color

13.0007, 12.4917, 45.9819

Protanomaly

13.2107, 12.2161, 44.3095

Deuteranomaly

12.7904, 12.5620, 44.3984

Tritanomaly

9.9618, 12.2312, 27.0351

Monochromacy



Original Color

13.0007, 12.4917, 45.9819

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

7.8760, 8.7555, 17.7979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0007, 12.4917, 45.9819 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, 100, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 182)  
}
```

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, 100, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 182) }
```

Border

The CSS property to change the border of an element to XYZ 13.0007, 12.4917, 45.9819 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, 100, 182) }
```


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

```
.border{ border-color:rgb(0, 100, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 100, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0007, 12.4917, 45.9819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 100, 182) }
```

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

```
.background{ background-color: rgb(0, 100,  
182) }
```

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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