

Converting Colors

XYZ(9.9809, 8.2236, 39.5144)

Have a look what the booklet for
XYZ(9.9809, 8.2236, 39.5144)
contains.

XYZ(10.0046, 8.2480, 39.5928)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.0046, 8.2480,
39.5928)**

Conversions

Conversions Part 1

Format	Color
Hex	004DAB
RGB	0, 77, 171
RGB Percent	0%, 30%, 67%
CMY	0.9999, 0.6980, 0.3294
CMYK	1.00, 0.55, 0.00, 0.33
HSL	213°, 100%, 34%
HSV	213°, 100%, 67%
XYZ	10.0046, 8.2480, 39.5928
YIQ	64.6930, -76.0660, 12.9100

Conversions

Conversions Part 2

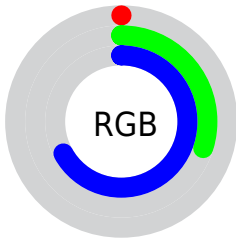
Format	Color
RYB	0, 53, 171
Decimal	19883
CIELab	34.49, 18.43, -55.69
CIElCh	34, 58.664, 288.312
Yxy	8.2480, 0.1730, 0.1426
Android (android.graphics.Color)	4278209963 (0xFF004DAB)
YUV	64.6930, 52.4094, -56.7358
Hunter-Lab	28.7193, 11.9230, -61.6343

Details

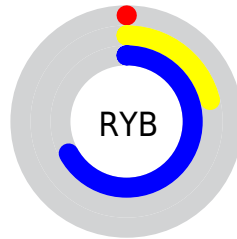
The XYZ color **10.0046, 8.2480, 39.5928** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **20.8009, 16.6702, 2.1224**, and the grayscale version is **4.9108, 5.1666, 5.6264**.

A 20% lighter version of the original color is **25.4152, 22.3869, 75.6546**, and **3.8710, 2.5101, 17.4200** is the 20% darker color. If you saturate the color by 10%, you get **10.0032, 8.2451, 39.5925**, and if you desaturate by 10%, it is **10.9443, 9.7806, 39.8393**.

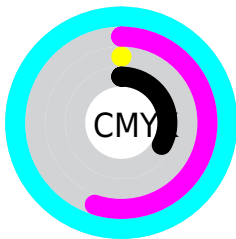
Distribution



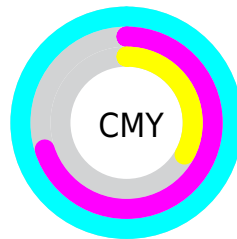
- Red (0%)
- Green (30%)
- Blue (67%)



- Red (0%)
- Yellow (21%)
- Blue (67%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (70%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0046, 8.2480, 39.5928 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 10.0046, 8.2480, 39.5928 by changing the saturation by 10% instead.

■ 10.0046, 8.2480,
39.5928

■ 10.0046, 8.2480,
39.5928

184.7578,
177.6645, 359.9052

■ 5.4643, 4.2540,
26.9098

■ 25.4537, 22.4432,
75.7733

■ 2.5597, 1.8167,
17.2737

■ 37.0933, 33.4132,
100.1080

■ 0.9255, 0.4975,
10.2658

■ 51.8300, 47.4774,
129.1636

■ 0.0000, 0.0000,
5.4676

■ 70.0292, 65.0202,
163.3587

■ 0.0000, 0.0000,
2.4607

■ 92.0562, 86.4258,
203.1119

■ 0.0000, 0.0000,
0.8192

■ 118.2764,

■ 0.0000, 0.0000,

112.0789, 248.8417

0.0000

149.0552,
142.3636, 300.9666

■ 10.0046, 8.2480,
39.5928

■ 10.0046, 8.2480,
39.5928

■ 10.0032, 8.2451,
39.5925

■ 10.9443, 9.7806,
39.8393

■ 12.1832, 11.6144,
40.1280

■ 13.8056, 13.7980,
40.4639

■ 15.8513, 16.3572,
40.8501

■ 18.3549, 19.3146,
41.2890

■ 21.3467, 22.6906,
41.7829

■ 24.8546, 26.5038,
42.3341

■ 28.9039, 30.7717,
42.9444

■ 33.5184, 35.5106,
43.6159

Harmonies

Analogous

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



6.6241, 8.2480, 41.0706



10.0046, 8.2480, 39.5928



13.5902, 8.2480, 27.2743

Triad

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



10.0046, 8.2480, 39.5928



12.8563, 8.2480, 1.1011



3.1262, 8.2480, 5.7821

Complementary

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



10.0046, 8.2480, 39.5928



20.8009, 16.6702, 2.1224

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.



3.9945, 8.2480, 1.5093



10.0046, 8.2480, 39.5928



9.1950, 8.2480, 0.1416

Square

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



10.0046, 8.2480, 39.5928



15.5288, 8.2480, 4.3990



6.0117, 8.2480, 0.2642



3.2300, 8.2480, 15.9776

Rectangle

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



10.0046, 8.2480, 39.5928



15.3283, 8.2480, 17.4991



6.0117, 8.2480, 0.2642



3.3012, 8.2480, 3.8036

Sweetspot

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



10.0050, 8.2482, 39.5930



44.1416, 47.0688, 75.7606



16.4612, 29.8853, 14.8476



9.2494, 9.8555, 16.8025



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.



10.0050, 8.2482, 39.5930



17.7095, 14.3554, 70.8394



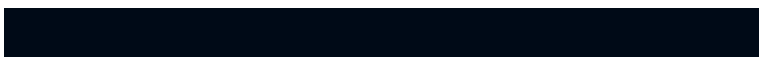
7.4229, 2.9781, 38.7119



7.8646, 8.3287, 10.1458



7.5921, 6.3180, 29.8639



0.2663, 0.2859, 0.8491

Inverse Universe

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



18.1346, 9.1946, 7.8400



32.3722, 16.4235, 13.4875



30.1431, 37.1578, 5.5845



8.1495, 8.0730, 9.0980



13.6958, 6.9408, 6.0433



0.4088, 0.2042, 0.3146

Previews

White Background



This preview shows how the XYZ color 10.0046, 8.2480, 39.5928 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 ✓ Pass

Black Background



This preview shows how the XYZ color 10.0046, 8.2480, 39.5928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

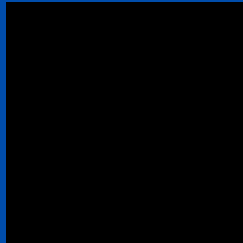
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.0046, 8.2480, 39.5928

Background



This preview shows how black text looks on a background with the XYZ color 10.0046, 8.2480, 39.5928.



This preview shows how white text looks on a background with the XYZ color 10.0046, 8.2480,

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

10.0046, 8.2480, 39.5928

Protanopia

9.6073, 8.2020, 37.1532

Deuteranopia

8.0512, 8.1697, 27.1392



Tritanopia

5.7675, 8.1569, 12.3368

Trichromacy



Original Color

10.0046, 8.2480, 39.5928

Protanomaly

9.7923, 8.2759, 38.1271

Deuteranomaly

8.6922, 8.1848, 31.2587

Tritanomaly

6.8237, 7.9271, 19.9093

Monochromacy



Original Color

10.0046, 8.2480, 39.5928

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

5.5413, 5.7271, 13.9101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0046, 8.2480, 39.5928 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, 77, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 77, 171)  
}
```

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, 77, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 77, 171) }
```

Border

The CSS property to change the border of an element to XYZ 10.0046, 8.2480, 39.5928 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, 77, 171) }
```


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

```
.border{ border-color:rgb(0, 77, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 77, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 77, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 77, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 77, 171)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.0046, 8.2480, 39.5928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 77, 171) }
```

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

```
.background{ background-color: rgb(0, 77,  
171) }
```

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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