

Converting Colors

XYZ(13.8812, 13.5562, 48.4230)

Have a look what the booklet for
XYZ(13.8812, 13.5562, 48.4230)
contains.

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Color

**XYZ(13.9145, 13.6483,
48.3554)**

Conversions

Conversions Part 1

Format	Color
Hex	0069BA
RGB	0, 105, 186
RGB Percent	0%, 41%, 73%
CMY	0.9999, 0.5882, 0.2706
CMYK	1.00, 0.44, 0.00, 0.27
HSL	206°, 100%, 36%
HSV	206°, 100%, 73%
XYZ	13.9145, 13.6483, 48.3554
YIQ	82.8390, -88.5810, 2.9310

Conversions

Conversions Part 2

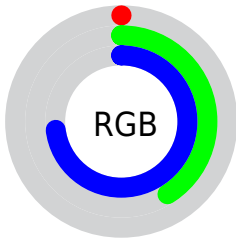
Format	Color
RYB	0, 67, 186
Decimal	27066
CIELab	43.72, 6.09, -49.62
CIELCh	44, 49.989, 276.995
Yxy	13.6483, 0.1833, 0.1798
Android (android.graphics.Color)	4278217146 (0xFF0069BA)
YUV	82.8390, 50.8584, -72.6498
Hunter-Lab	36.9436, 2.5792, -51.7440

Details

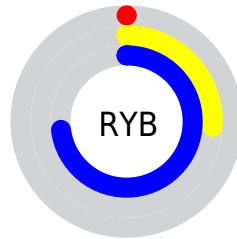
The XYZ color **13.9145, 13.6483, 48.3554** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **23.1953, 16.3298, 1.9305**, and the grayscale version is **8.1048, 8.5269, 9.2857**.

A 20% lighter version of the original color is **32.5803, 32.5752, 89.3645**, and **5.7288, 4.7939, 22.4532** is the 20% darker color. If you saturate the color by 10%, you get **13.9129, 13.6451, 48.3552**, and if you desaturate by 10%, it is **15.0411, 15.5131, 48.6563**.

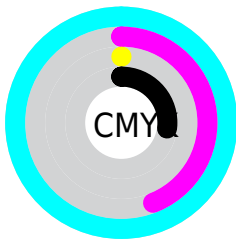
Distribution



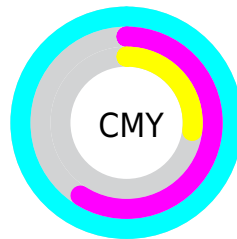
- Red (0%)
- Green (41%)
- Blue (73%)



- Red (0%)
- Yellow (26%)
- Blue (73%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (59%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9145, 13.6483, 48.3554 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 13.9145, 13.6483, 48.3554 by changing the saturation by 10% instead.

■ 13.9145, 13.6483,
48.3554

■ 13.9145, 13.6483,
48.3554

210.2196,
215.0318, 396.7484

■ 8.1425, 7.8765,
33.7464

■ 32.5248, 32.4637,
89.1044

■ 4.2389, 4.0160,
22.4231

■ 46.0938, 46.2760,
116.0815

■ 1.8381, 1.6825,
13.9668

■ 62.9925, 63.5373,
148.0183

■ 0.5405, 0.4123,
7.9591

■ 83.5864, 84.6319,
185.3335

■ 0.0000, 0.0000,
3.9814

■ 108.2406,
109.9443, 228.4456

■ 0.0000, 0.0000,
1.6151

■ 137.3207,

■ 0.0000, 0.0000,

139.8588, 277.7731

0.3016

171.1919,
174.7598, 333.7345

■ 0.0000, 0.0000,
0.0000

■ 13.9145, 13.6483,
48.3554

■ 13.9145, 13.6483,
48.3554

■ 13.9129, 13.6451,
48.3552

■ 15.0411, 15.5131,
48.6563

■ 16.4967, 17.6673,
48.9954

■ 18.3754, 20.1624,
49.3780

■ 20.7246, 23.0258,
49.8068

■ 23.5844, 26.2810,
50.2844

■ 26.9906, 29.9491,
50.8129

■ 30.9753, 34.0493,
51.3943

■ 35.5679, 38.5993,
52.0305

■ 40.7958, 43.6158,
52.7232

Harmonies

Analogous

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



10.2374, 13.6483, 45.0097



13.9145, 13.6483, 48.3554



18.0717, 13.6483, 39.7149

Triad

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



13.9145, 13.6483, 48.3554



19.9925, 13.6483, 5.2713



7.1856, 13.6483, 7.9056

Complementary

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



13.9145, 13.6483, 48.3554



23.1953, 16.3298, 1.9305

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.



8.9356, 13.6483, 3.4109



13.9145, 13.6483, 48.3554



16.1555, 13.6483, 2.5152

Square

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



13.9145, 13.6483, 48.3554



22.0116, 13.6483, 12.3778



12.0736, 13.6483, 2.0674



6.8244, 13.6483, 17.6551

Rectangle

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



13.9145, 13.6483, 48.3554



20.3978, 13.6483, 30.0420



12.0736, 13.6483, 2.0674



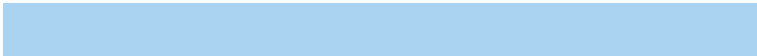
7.6109, 13.6483, 5.9143

Sweetspot

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



13.9151, 13.6487, 48.3558



55.7441, 61.3120, 93.0978



19.0306, 35.7067, 13.5995



11.5780, 12.7907, 20.4012



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



13.9151, 13.6487, 48.3558



24.9723, 24.2412, 87.5642



9.0003, 3.8191, 46.7175



8.9303, 9.5379, 11.4497



9.4358, 9.3312, 32.5569



0.3930, 0.4497, 1.1678

Inverse Universe

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



22.8001, 11.4599, 14.3750



41.2000, 20.7200, 25.3943



35.3095, 40.5582, 5.9686



9.2112, 9.0948, 10.4595



15.3764, 7.7243, 9.8689



0.5725, 0.2845, 0.5084

Previews

White Background



This preview shows how the XYZ color 13.9145, 13.6483, 48.3554 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 13.9145, 13.6483, 48.3554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

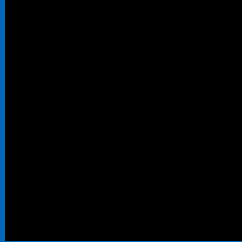
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.9145, 13.6483, 48.3554

Background



This preview shows how black text looks on a background with the XYZ color 13.9145, 13.6483, 48.3554.



This preview shows how white text looks on a background with the XYZ color 13.9145, 13.6483,

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

13.9145, 13.6483, 48.3554

Protanopia

15.1444, 13.6088, 45.5446

Deuteranopia

14.0272, 13.7064, 48.3607



Tritanopia

9.6436, 13.6666, 20.5420

Trichromacy



Original Color

13.9145, 13.6483, 48.3554

Protanomaly

14.2535, 13.4139, 46.6376

Deuteranomaly

13.9896, 13.6870, 48.3589

Tritanomaly

10.7953, 13.4132, 28.8081

Monochromacy



Original Color

13.9145, 13.6483, 48.3554

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

8.5994, 9.5951, 19.1681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9145, 13.6483, 48.3554 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, 105, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 186)  
}
```

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, 105, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 186) }
```

Border

The CSS property to change the border of an element to XYZ 13.9145, 13.6483, 48.3554 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, 105, 186) }
```


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

```
.border{ border-color:rgb(0, 105, 186) }
```

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

Here you see how a box with a 4 pixel rgb(0, 105, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 105,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9145, 13.6483, 48.3554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 186) }
```

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

```
.background{ background-color: rgb(0, 105,  
186) }
```

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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