

Converting Colors

XYZ(9.3951, 11.1646, 47.3046)

Have a look what the booklet for
XYZ(9.3951, 11.1646, 47.3046)
contains.

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Color

**XYZ(13.7073, 13.4034,
47.7636)**

Conversions

Conversions Part 1

Format	Color
Hex	0068B9
RGB	0, 104, 185
RGB Percent	0%, 41%, 73%
CMY	0.9998, 0.5922, 0.2745
CMYK	1.00, 0.44, 0.00, 0.27
HSL	206°, 100%, 36%
HSV	206°, 100%, 73%
XYZ	13.7073, 13.4034, 47.7636
YIQ	82.1380, -87.9850, 3.1430

Conversions

Conversions Part 2

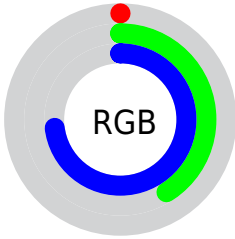
Format	Color
RYB	0, 67, 185
Decimal	26809
CIELab	43.36, 6.32, -49.61
CIELCh	43, 50.012, 277.262
Yxy	13.4034, 0.1831, 0.1790
Android (android.graphics.Color)	4278216889 (0xFF0068B9)
YUV	82.1380, 50.7110, -72.0350
Hunter-Lab	36.6107, 2.7631, -51.7244

Details

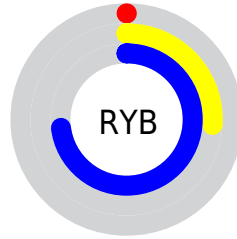
The XYZ color **13.7073, 13.4034, 47.7636** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **22.9534, 16.2054, 1.9193**, and the grayscale version is **7.9645, 8.3792, 9.1250**.

A 20% lighter version of the original color is **32.2626, 32.1807, 88.5155**, and **5.6098, 4.6648, 22.0775** is the 20% darker color. If you saturate the color by 10%, you get **13.7056, 13.3999, 47.7633**, and if you desaturate by 10%, it is **14.8222, 15.2476, 48.0611**.

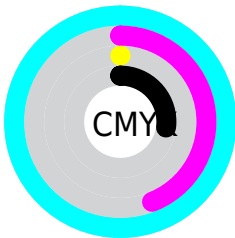
Distribution



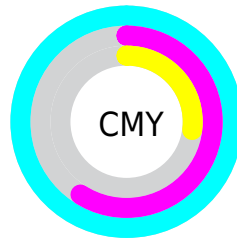
- Red (0%)
- Green (41%)
- Blue (73%)



- 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 13.7073, 13.4034, 47.7636 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 13.7073, 13.4034, 47.7636 by changing the saturation by 10% instead.

■ 13.7073, 13.4034,
47.7636

■ 13.7073, 13.4034,
47.7636

208.9495,
213.4871, 394.3360

■ 7.9977, 7.7069,
33.2811

■ 32.1594, 32.0266,
88.2142

■ 4.1453, 3.9080,
22.0690

■ 45.6326, 45.7222,
115.0193

■ 1.7846, 1.6222,
13.7088

■ 62.4244, 62.8528,
146.7691

■ 0.5084, 0.3725,
7.7820

■ 82.9001, 83.8030,
183.8820

■ 0.0000, 0.0000,
3.8700

■ 107.4251,
108.9572, 226.7766

■ 0.0000, 0.0000,
1.5543

■ 136.3648,

■ 0.0000, 0.0000,

138.6996, 275.8714

0.2579

170.0845,
173.4148, 331.5851

■ 0.0000, 0.0000,
0.0000

■ 13.7073, 13.4034,
47.7636

■ 13.7073, 13.4034,
47.7636

■ 13.7056, 13.3999,
47.7633

■ 14.8222, 15.2476,
48.0611

■ 16.2625, 17.3790,
48.3966

■ 18.1215, 19.8486,
48.7753

■ 20.4459, 22.6836,
49.2000

■ 23.2755, 25.9073,
49.6731

■ 26.6454, 29.5404,
50.1968

■ 30.5875, 33.6020,
50.7730

■ 35.1308, 38.1096,
51.4036

■ 40.3023, 43.0798,
52.0903

Harmonies

Analogous

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



10.0649, 13.4034, 44.5517



13.7073, 13.4034, 47.7636



17.8186, 13.4034, 39.0998

Triad

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



13.7073, 13.4034, 47.7636



19.6573, 13.4034, 5.0954



7.0175, 13.4034, 7.7886

Complementary

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



13.7073, 13.4034, 47.7636



22.9534, 16.2054, 1.9193

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.



8.7309, 13.4034, 3.3308



13.7073, 13.4034, 47.7636



15.8504, 13.4034, 2.4195

Square

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



13.7073, 13.4034, 47.7636



21.6790, 13.4034, 12.0534



11.8184, 13.4034, 1.9968



6.6734, 13.4034, 17.4688

Rectangle

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



13.7073, 13.4034, 47.7636



20.1124, 13.4034, 29.4898



11.8184, 13.4034, 1.9968



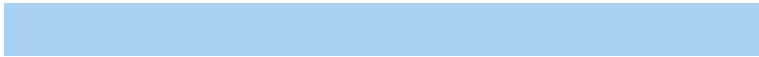
7.4326, 13.4034, 5.8126

Sweetspot

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



13.7079, 13.4038, 47.7640



54.3941, 59.7886, 90.8781



18.8046, 35.2804, 13.4450



11.0671, 12.2165, 19.4963



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.



13.7079, 13.4038, 47.7640



24.3096, 23.5254, 85.4642



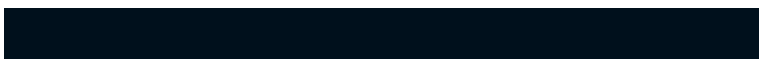
8.8935, 3.7751, 46.1592



8.9285, 9.5343, 11.4492



9.4058, 9.2712, 32.5469



0.3920, 0.4478, 1.1675

Inverse Universe

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



22.5069, 11.3147, 14.0945



40.1874, 20.2144, 24.6048



34.8883, 40.0752, 5.8976



9.2103, 9.0945, 10.4547



15.3613, 7.7183, 9.7892



0.5720, 0.2843, 0.5058

Previews

White Background



This preview shows how the XYZ color 13.7073, 13.4034, 47.7636 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 13.7073, 13.4034, 47.7636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

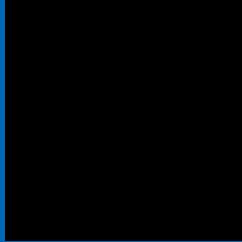
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7073, 13.4034, 47.7636

Background



This preview shows how black text looks on a background with the XYZ color 13.7073, 13.4034, 47.7636.



This preview shows how white text looks on a background with the XYZ color 13.7073, 13.4034,

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

13.7073, 13.4034, 47.7636

Protanopia

15.0776, 13.5744, 45.5415

Deuteranopia

13.7073, 13.4034, 47.7636



Tritanopia

9.4685, 13.4151, 20.1795

Trichromacy



Original Color

13.7073, 13.4034, 47.7636

Protanomaly

14.0116, 13.1562, 46.0569

Deuteranomaly

13.7073, 13.4034, 47.7636

Tritanomaly

10.6100, 13.1655, 28.3675

Monochromacy



Original Color

13.7073, 13.4034, 47.7636

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

8.4021, 9.3743, 18.8193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7073, 13.4034, 47.7636 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, 104, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 185)  
}
```

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, 104, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 185) }
```

Border

The CSS property to change the border of an element to XYZ 13.7073, 13.4034, 47.7636 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, 104, 185) }
```


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

```
.border{ border-color:rgb(0, 104, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 104, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7073, 13.4034, 47.7636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 185) }
```

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

```
.background{ background-color: rgb(0, 104,  
185) }
```

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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