

Converting Colors

XYZ(13.8154, 13.3004, 46.9670)

Have a look what the booklet for
XYZ(13.8154, 13.3004, 46.9670)
contains.

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Color

**XYZ(13.8787, 13.3554,
47.1938)**

Conversions

Conversions Part 1

Format	Color
Hex	1867B8
RGB	24, 103, 184
RGB Percent	9%, 40%, 72%
CMY	0.9058, 0.5961, 0.2784
CMYK	0.87, 0.44, 0.00, 0.28
HSL	210°, 77%, 41%
HSV	210°, 87%, 72%
XYZ	13.8787, 13.3554, 47.1938
YIQ	88.6130, -73.0850, 8.4430

Conversions

Conversions Part 2

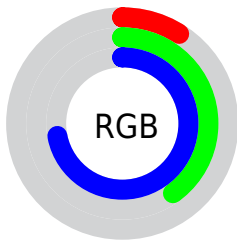
Format	Color
RYB	24, 77, 184
Decimal	1599416
CIELab	43.29, 7.72, -49.13
CIELCh	43, 49.729, 278.926
Yxy	13.3554, 0.1865, 0.1794
Android (android.graphics.Color)	4279789496 (0xFF1867B8)
YUV	88.6130, 47.0258, -56.6656
Hunter-Lab	36.5450, 3.8351, -50.9848

Details

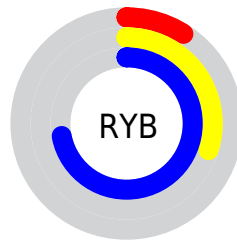
The XYZ color **13.8787, 13.3554, 47.1938** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **24.9860, 20.3637, 3.4789**, and the grayscale version is **9.3230, 9.8085, 10.6815**.

A 20% lighter version of the original color is **32.5784, 32.1147, 87.7008**, and **5.4924, 4.5380, 21.7055** is the 20% darker color. If you saturate the color by 10%, you get **12.6969, 11.4464, 46.8879**, and if you desaturate by 10%, it is **15.4531, 15.6203, 47.5483**.

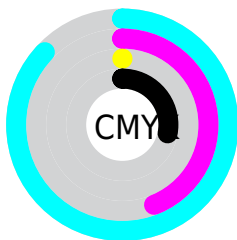
Distribution



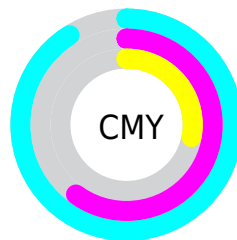
- Red (9%)
- Green (40%)
- Blue (72%)



- Red (9%)
- Yellow (30%)
- Blue (72%)



- Cyan (87%)
- Magenta (44%)
- Yellow (0%)
- Black (28%)



- Cyan (91%)
- Magenta (60%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8787, 13.3554, 47.1938 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 13.8787, 13.3554, 47.1938 by changing the saturation by 10% instead.

■ 13.8787, 13.3554,
47.1938

■ 13.8787, 13.3554,
47.1938

■ 210.0007,
213.1830, 392.0037

■ 8.1175, 7.6737,
32.8334

■ 32.4617, 31.9408,
87.3558

■ 4.2227, 3.8869,
21.7288

■ 46.0142, 45.6133,
113.9946

■ 1.8289, 1.6105,
13.4614

■ 62.8945, 62.7183,
145.5633

■ 0.5350, 0.3647,
7.6126

■ 83.4680, 83.6400,
182.4803

■ 0.0000, 0.0000,
3.7639

■ 108.1000,
108.7630, 225.1644

■ 0.0000, 0.0000,
1.4967

■ 137.1559,

■ 0.0000, 0.0000,

138.4715, 274.0339

0.2155

171.0010,
173.1501, 329.5075

■ 0.0000, 0.0000,
0.0000

■ 13.8787, 13.3554,
47.1938

■ 13.8787, 13.3554,
47.1938

■ 12.6969, 11.4464,
46.8879

■ 15.4531, 15.6203,
47.5483

■ 12.3791, 10.9154,
46.8022

■ 17.4798, 18.2762,
47.9541

■ 20.0041, 21.3514,
48.4147

■ 23.0648, 24.8701,
48.9325

■ 26.6967, 28.8545,
49.5102

■ 30.9310, 33.3248,
50.1498

■ 35.7970, 38.2999,
50.8537

■ 41.3215, 43.7975,
51.6236

■ 47.5301, 49.8345,
52.4617

Harmonies

Analogous

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



10.2116, 13.3554, 44.6916



13.8787, 13.3554, 47.1938



17.9420, 13.3554, 38.0864

Triad

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



13.8787, 13.3554, 47.1938



19.3750, 13.3554, 4.8682



6.9591, 13.3554, 8.1681

Complementary

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



13.8787, 13.3554, 47.1938



24.9860, 20.3637, 3.4789

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.



8.5842, 13.3554, 3.4921



13.8787, 13.3554, 47.1938



15.5490, 13.3554, 2.3682

Square

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



13.8787, 13.3554, 47.1938



21.5112, 13.3554, 11.4913



11.5785, 13.3554, 2.0382



6.6908, 13.3554, 18.0893

Rectangle

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



13.8787, 13.3554, 47.1938



20.1569, 13.3554, 28.4750



11.5785, 13.3554, 2.0382



7.3463, 13.3554, 6.1086

Sweetspot

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



13.8793, 13.3558, 47.1942



56.4927, 60.8478, 90.9719



20.0170, 35.4754, 18.8919



11.5791, 12.4925, 19.5226



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.



13.8793, 13.3558, 47.1942



22.2019, 19.3099, 84.7616



9.3560, 4.3093, 45.6864



8.8774, 9.4320, 11.4321



8.6021, 7.6640, 32.2790



0.3652, 0.3941, 1.1586

Inverse Universe

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



22.5426, 11.8238, 13.9262



39.1235, 19.7888, 19.0024



37.0730, 44.5377, 7.5079



9.1845, 9.0842, 10.3188



14.9556, 7.5560, 7.6532



0.5585, 0.2789, 0.4345

Previews

White Background



This preview shows how the XYZ color 13.8787, 13.3554, 47.1938 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 13.8787, 13.3554, 47.1938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

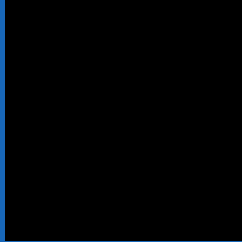
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8787, 13.3554, 47.1938

Background



This preview shows how black text looks on a background with the XYZ color 13.8787, 13.3554, 47.1938.



This preview shows how white text looks on a background with the XYZ color 13.8787, 13.3554,

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

13.8787, 13.3554, 47.1938

Protanopia

14.8144, 13.3090, 44.9681

Deuteranopia

13.6521, 13.3871, 47.2118



Tritanopia

9.3563, 13.1907, 20.1421

Trichromacy



Original Color

13.8787, 13.3554, 47.1938

Protanomaly

14.1643, 13.1035, 45.4988

Deuteranomaly

13.7401, 13.4325, 47.2159

Tritanomaly

10.6153, 13.0090, 28.3371

Monochromacy



Original Color

13.8787, 13.3554, 47.1938

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.8208, 10.5845, 20.5942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8787, 13.3554, 47.1938 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(24, 103, 184)` looks like.

```
.text, #text, p{  
    color:rgb(24, 103, 184)  
}
```

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(24, 103, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 103, 184) }
```

Border

The CSS property to change the border of an element to XYZ 13.8787, 13.3554, 47.1938 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(24, 103, 184) }
```


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

```
.border{ border-color:rgb(24, 103, 184) }
```

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

Here you see how a box with a 4 pixel rgb(24, 103, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 103, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 103, 184);  
box-shadow:4px 4px 4px 4px rgb(24, 103,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8787, 13.3554, 47.1938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 103, 184) }
```

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

```
.background{ background-color: rgb(24, 103,  
184) }
```

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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