

Converting Colors

XYZ(13.9237, 12.6379, 48.1599)

Have a look what the booklet for
XYZ(13.9237, 12.6379, 48.1599)
contains.

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Color

**XYZ(13.9237, 12.6379,
48.1599)**

Conversions

Conversions Part 1

Format	Color
Hex	2362BA
RGB	35, 98, 186
RGB Percent	14%, 38%, 73%
CMY	0.8627, 0.6157, 0.2706
CMYK	0.81, 0.47, 0.00, 0.27
HSL	215°, 68%, 43%
HSV	215°, 81%, 73%
XYZ	13.9237, 12.6379, 48.1599
YIQ	89.1950, -65.7960, 14.0120

Conversions

Conversions Part 2

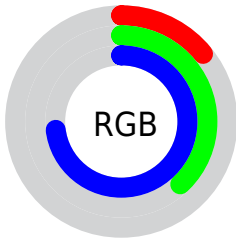
Format	Color
R_{YB}	35, 79, 186
Decimal	2319034
CIE Lab	42.21, 12.66, -52.02
CIE LCh	42, 53.536, 283.681
Yxy	12.6379, 0.1863, 0.1691
Android (android.graphics.Color)	4280509114 (0xFF2362BA)
YUV	89.1950, 47.7249, -47.5290
Hunter-Lab	35.5498, 7.7004, -55.4362

Details

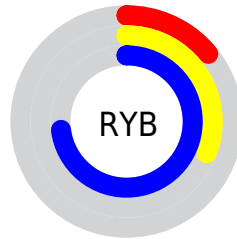
The XYZ color **13.9237, 12.6379, 48.1599** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **27.6376, 24.7291, 4.9075**, and the grayscale version is **9.4476, 9.9397, 10.8243**.

A 20% lighter version of the original color is **32.5933, 30.6541, 88.9930**, and **5.4380, 4.2121, 22.3562** is the 20% darker color. If you saturate the color by 10%, you get **12.5050, 10.5014, 47.8226**, and if you desaturate by 10%, it is **15.8153, 15.2222, 48.5593**.

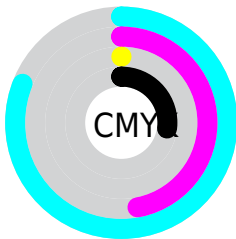
Distribution



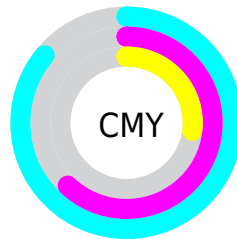
- Red (14%)
- Green (38%)
- Blue (73%)



- Red (14%)
- Yellow (31%)
- Blue (73%)



- Cyan (81%)
- Magenta (47%)
- Yellow (0%)
- Black (27%)



- Cyan (86%)
- Magenta (62%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9237, 12.6379, 48.1599 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 13.9237, 12.6379, 48.1599 by changing the saturation by 10% instead.

■ 13.9237, 12.6379,
48.1599

■ 13.9237, 12.6379,
48.1599

210.2758,
208.5838, 395.9526

■ 8.1490, 7.1797,
33.5926

■ 32.5410, 30.6517,
88.8105

■ 4.2430, 3.5747,
22.3060

■ 46.1142, 43.9761,
115.7308

■ 1.8405, 1.4386,
13.8815

■ 63.0177, 60.6913,
147.6060

■ 0.5419, 0.2449,
7.9005

■ 83.6168, 81.1817,
184.8545

■ 0.0000, 0.0000,
3.9445

■ 108.2767,
105.8318, 227.8949

■ 0.0000, 0.0000,
1.5949

137.3630,

■ 0.0000, 0.0000,

135.0259, 277.1456

0.2872

171.2409,
169.1485, 333.0254

■ 0.0000, 0.0000,
0.0000

■ 13.9237, 12.6379,
48.1599

■ 13.9237, 12.6379,
48.1599

■ 12.5050, 10.5014,
47.8226

■ 15.8153, 15.2222,
48.5593

■ 11.5588, 8.9367,
47.5705

■ 18.2295, 18.2876,
49.0238

■ 21.2111, 21.8643,
49.5570

■ 24.7988, 25.9795,
50.1622

■ 29.0280, 30.6578,
50.8423

■ 33.9310, 35.9223,
51.6000

■ 39.5377, 41.7946,
52.4380

■ 45.8764, 48.2951,
53.3586

■ 52.9736, 55.4432,
54.3643

Harmonies

Analogous

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



9.9784, 12.6379, 47.5574



13.9237, 12.6379, 48.1599



18.1430, 12.6379, 36.6184

Triad

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



13.9237, 12.6379, 48.1599



18.4746, 12.6379, 3.4672



6.0408, 12.6379, 8.4542

Complementary

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



13.9237, 12.6379, 48.1599



27.6376, 24.7291, 4.9075

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.



7.4459, 12.6379, 3.1889



13.9237, 12.6379, 48.1599



14.3045, 12.6379, 1.6000

Square

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



13.9237, 12.6379, 48.1599



21.1383, 12.6379, 9.1820



10.2837, 12.6379, 1.5383



5.9831, 12.6379, 19.6531

Rectangle

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



13.9237, 12.6379, 48.1599



20.3056, 12.6379, 26.0146



10.2837, 12.6379, 1.5383



6.3543, 12.6379, 6.1244

Sweetspot

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



13.9243, 12.6383, 48.1602



58.5031, 61.9197, 93.0697



21.6775, 36.8456, 23.9212



12.1824, 12.8830, 20.3872



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.



13.9243, 12.6383, 48.1602



21.2375, 16.6367, 86.2933



10.5499, 5.3075, 46.9231



8.8207, 9.3186, 11.4132



7.8468, 6.1533, 32.0272



0.3381, 0.3399, 1.1495

Inverse Universe

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



23.0558, 12.5237, 12.7577



39.3478, 20.1053, 15.2519



35.7523, 44.4620, 8.2886



9.1558, 9.0727, 10.1680



14.5744, 7.4035, 5.6456



0.5448, 0.2734, 0.3624

Previews

White Background



This preview shows how the XYZ color 13.9237, 12.6379, 48.1599 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 13.9237, 12.6379, 48.1599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

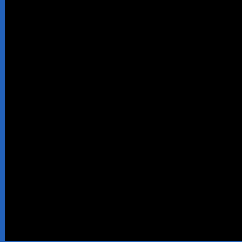
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.9237, 12.6379, 48.1599

Background



This preview shows how black text looks on a background with the XYZ color 13.9237, 12.6379, 48.1599.



This preview shows how white text looks on a background with the XYZ color 13.9237, 12.6379,

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

13.9237, 12.6379, 48.1599

Protanopia

14.3028, 12.5833, 47.0224

Deuteranopia

12.6896, 12.5217, 43.8676



Tritanopia

8.8459, 12.4599, 19.0783

Trichromacy



Original Color

13.9237, 12.6379, 48.1599

Protanomaly

14.1584, 12.6330, 47.5911

Deuteranomaly

13.0636, 12.5361, 45.4472

Tritanomaly

10.2779, 12.3768, 27.8339

Monochromacy



Original Color

13.9237, 12.6379, 48.1599

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.9195, 10.3747, 20.5485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9237, 12.6379, 48.1599 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(35, 98, 186)` looks like.

```
.text, #text, p{  
    color:rgb(35, 98, 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(35, 98, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 98, 186) }
```

Border

The CSS property to change the border of an element to XYZ 13.9237, 12.6379, 48.1599 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(35, 98, 186) }
```


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

```
.border{ border-color:rgb(35, 98, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 98, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 98, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 98, 186);  
box-shadow:4px 4px 4px 4px rgb(35, 98,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9237, 12.6379, 48.1599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 98, 186) }
```

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

```
.background{ background-color: rgb(35, 98,  
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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