

Converting Colors

XYZ(24.5979, 39.7567, 18.1847)

Have a look what the booklet for
XYZ(24.5979, 39.7567, 18.1847)
contains.

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Color

**XYZ(24.5961, 39.7540,
18.1813)**

Conversions

Conversions Part 1

Format	Color
Hex	57BE63
RGB	87, 190, 99
RGB Percent	34%, 75%, 39%
CMY	0.6588, 0.2549, 0.6118
CMYK	0.54, 0.00, 0.48, 0.25
HSL	127°, 44%, 54%
HSV	127°, 54%, 75%
XYZ	24.5961, 39.7540, 18.1813
YIQ	148.8290, -32.1770, -50.1370

Conversions

Conversions Part 2

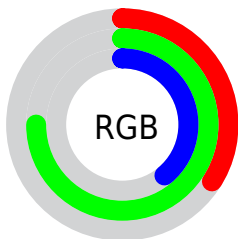
Format	Color
RYB	87, 179, 190
Decimal	5750371
CIELab	69.29, -49.02, 36.93
CIElCh	69, 61.373, 143.011
Yxy	39.7540, 0.2980, 0.4817
Android (android.graphics.Color)	4283940451 (0xFF57BE63)
YUV	148.8290, -24.5657, -54.2240
Hunter-Lab	63.0508, -40.7060, 27.0387

Details

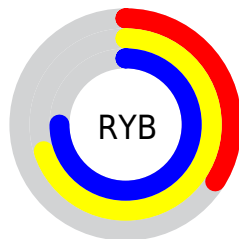
The XYZ color **24.5961, 39.7540, 18.1813** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **32.6805, 20.9787, 44.4477**, and the grayscale version is **28.6057, 30.0955, 32.7739**.

A 20% lighter version of the original color is **50.3483, 74.6852, 41.0402**, and **9.6080, 17.9587, 5.8657** is the 20% darker color. If you saturate the color by 10%, you get **22.3294, 38.6699, 14.3129**, and if you desaturate by 10%, it is **27.4984, 41.1488, 22.9519**.

Distribution



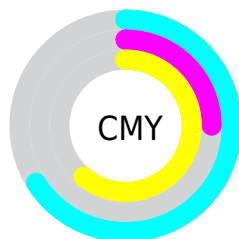
- Red (34%)
- Green (75%)
- Blue (39%)



- Red (34%)
- Yellow (70%)
- Blue (75%)



- Cyan (54%)
- Magenta (0%)
- Yellow (48%)
- Black (25%)



- Cyan (66%)
- Magenta (25%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5961, 39.7540, 18.1813 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 24.5961, 39.7540, 18.1813 by changing the saturation by 10% instead.

■ 24.5961, 39.7540,
18.1813

■ 24.5961, 39.7540,
18.1813

268.2054,
345.0856, 254.1613

■ 15.9035, 27.3468,
10.9094

■ 50.4488, 74.7888,
41.1641

■ 9.5463, 17.8338,
5.8926

■ 68.3397, 98.1851,
57.7122

■ 5.1592, 10.8308,
2.7121

■ 90.0274, 126.0133,
78.1893

■ 2.3767, 5.9532,
0.9495

■ 115.8772,
158.6577, 103.0142

■ 0.8335, 2.8166,
0.0000

146.2546,
196.5028, 132.6053

■ 0.0000, 1.0368,
0.0000

181.5248,

■ 0.0000, 0.0000,

239.9328, 167.3812

0.0000

222.0533,
289.3323, 207.7603

■ 24.5961, 39.7540,
18.1813

■ 24.5961, 39.7540,
18.1813

■ 22.3294, 38.6699,
14.3129

■ 27.4984, 41.1488,
22.9519

■ 20.6475, 37.8681,
11.2875

■ 31.0764, 42.8703,
28.6738

■ 19.4965, 37.3232,
9.0429

■ 35.3700, 44.9395,
35.3956

■ 18.8110, 37.0031,
7.5071

■ 40.4157, 47.3739,
43.1619

■ 18.5604, 36.8869,
6.9077

■ 46.2469, 50.1901,
52.0147

■ 52.8954, 53.4036,
61.9934

■ 60.3912, 57.0289,
73.1357

■ 68.7625, 61.0800,
85.4775

■ 76.9224, 64.9957,
99.0009

Harmonies

Analogous

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



30.8600, 39.7540, 10.1115



24.5961, 39.7540, 18.1813



21.9430, 39.7540, 37.0206

Triad

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



24.5961, 39.7540, 18.1813



35.5290, 39.7540, 122.4350



58.0153, 39.7540, 25.3686

Complementary

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



24.5961, 39.7540, 18.1813



32.6805, 20.9787, 44.4477

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.



59.8512, 39.7540, 50.2197



24.5961, 39.7540, 18.1813



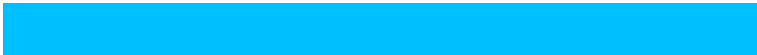
45.6754, 39.7540, 114.7807

Square

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



24.5961, 39.7540, 18.1813



27.5051, 39.7540, 102.6059



55.0046, 39.7540, 84.7636



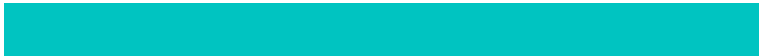
50.3518, 39.7540, 12.8244

Rectangle

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



24.5961, 39.7540, 18.1813



22.1842, 39.7540, 56.6691



55.0046, 39.7540, 84.7636



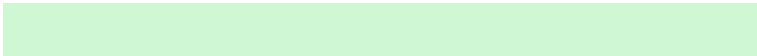
59.3833, 39.7540, 32.1945

Sweetspot

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



24.5971, 39.7557, 18.1822



71.2491, 84.8859, 75.1717



38.8880, 47.1843, 16.0750



15.2151, 18.4324, 15.8461



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



24.5971, 39.7557, 18.1822



39.8241, 69.7677, 24.8145



27.7539, 41.0184, 34.8058



9.4528, 10.6672, 10.3679



12.3566, 24.5329, 4.6745



0.4991, 0.9670, 0.2627

Inverse Universe

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



32.6805, 20.9787, 44.4477



55.9445, 32.2210, 77.1197



28.5540, 19.3281, 22.7177



9.8808, 9.6766, 11.7612



18.8302, 9.1633, 25.4634



0.7513, 0.3644, 1.0698

Previews

White Background



This preview shows how the XYZ color 24.5961, 39.7540, 18.1813 looks on a white 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

Black Background



This preview shows how the XYZ color 24.5961, 39.7540, 18.1813 looks on a black 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

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

XYZ 24.5961, 39.7540, 18.1813

Background



This preview shows how black text looks on a background with the XYZ color 24.5961, 39.7540, 18.1813.



This preview shows how white text looks on a background with the XYZ color 24.5961, 39.7540,

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

24.5961, 39.7540, 18.1813

Protanopia

35.8985, 39.0749, 15.5477

Deuteranopia

39.9750, 39.2269, 19.1003



Tritanopia

32.2881, 39.4502, 56.9518

Trichromacy



Original Color

24.5961, 39.7540, 18.1813



Protanomaly

29.9401, 38.2484, 16.3943



Deuteranomaly

31.8986, 38.0614, 18.4973



Tritanomaly

28.6710, 39.1950, 38.8552

Monochromacy



Original Color

24.5961, 39.7540, 18.1813



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

25.9764, 32.6252, 26.4009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5961, 39.7540, 18.1813 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(87, 190, 99)` looks like.

```
.text, #text, p{  
    color:rgb(87, 190, 99)  
}
```

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(87, 190, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 190, 99) }
```

Border

The CSS property to change the border of an element to XYZ 24.5961, 39.7540, 18.1813 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(87, 190, 99) }
```


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

```
.border{ border-color:rgb(87, 190, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 190, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 190, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 190, 99);  
box-shadow:4px 4px 4px 4px rgb(87, 190,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5961, 39.7540, 18.1813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 190, 99) }
```

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

```
.background{ background-color: rgb(87, 190,  
99) }
```

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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