

Converting Colors

XYZ(46.0949, 75.8117, 59.2174)

Have a look what the booklet for
XYZ(46.0949, 75.8117, 59.2174)
contains.

XYZ(46.0949, 75.8117, 59.2174)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.0949, 75.8117,
59.2174)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFBB
RGB	51, 255, 187
RGB Percent	20%, 100%, 73%
CMY	0.8000, 0.0000, 0.2667
CMYK	0.80, 0.00, 0.27, 0.00
HSL	160°, 100%, 60%
HSV	160°, 80%, 100%
XYZ	46.0949, 75.8117, 59.2174
YIQ	186.2520, -99.7560, -64.3960

Conversions

Conversions Part 2

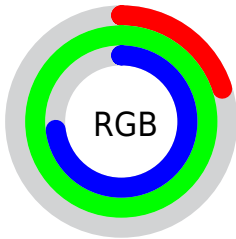
Format	Color
RYB	51, 173, 255
Decimal	3407803
CIELab	89.77, -63.08, 19.11
CIELCh	90, 65.912, 163.144
Yxy	75.8117, 0.2545, 0.4186
Android (android.graphics.Color)	4281597883 (0xFF33FFBB)
YUV	186.2520, 0.3688, -118.6160
Hunter-Lab	87.0699, -57.8743, 20.6250

Details

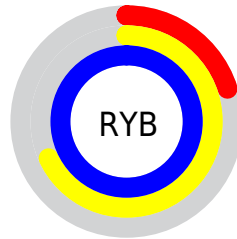
The XYZ color **46.0949, 75.8117, 59.2174** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **45.7544, 24.9605, 19.8612**, and the grayscale version is **46.8526, 49.2926, 53.6796**.

A 20% lighter version of the original color is **61.1436, 82.7369, 97.5412**, and **24.2693, 41.6537, 29.3151** is the 20% darker color. If you saturate the color by 10%, you get **44.2600, 74.9678, 54.5219**, and if you desaturate by 10%, it is **48.6884, 77.0403, 64.2322**.

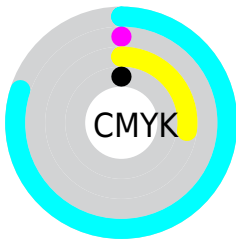
Distribution



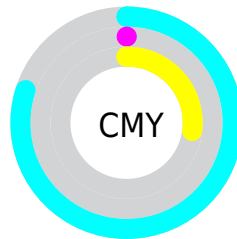
- Red (20%)
- Green (100%)
- Blue (73%)



- Red (20%)
- Yellow (68%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0949, 75.8117, 59.2174 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 46.0949, 75.8117, 59.2174 by changing the saturation by 10% instead.


 46.0949, 75.8117,
59.2174


 46.0949, 75.8117,
59.2174


361.8996,
480.7029, 439.4314


 32.5257, 56.2781,
42.3670


 83.5880, 127.4607,
105.2258


 21.9208, 40.4260,
29.0610


 108.2426,
160.3449, 135.2209

 13.9150, 27.8708,
18.8810


 137.3230,
198.4481, 170.4345

 8.1429, 18.2283,
11.4084

 171.1945,
242.1547, 211.2854

 4.2391, 11.1140,
6.2246

210.2226,
291.8491, 258.1920

 1.8383, 6.1436,
2.9112

254.7726,

 0.5406, 2.9326,

347.9156, 311.5728

1.0494

305.2098,
410.7388, 371.8464

■ 0.0000, 1.0966,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.0949, 75.8117,
59.2174

■ 46.0949, 75.8117,
59.2174

■ 44.2600, 74.9678,
54.5219

■ 48.6884, 77.0403,
64.2322

■ 43.0160, 74.4224,
50.1291

■ 52.1399, 78.7051,
69.5719

■ 43.0156, 74.4222,
50.1276

■ 56.5356, 80.8501,
75.2462

■ 61.9501, 83.5138,
81.2632

■ 68.4503, 86.7306,
87.6303

■ 76.0974, 90.5319,
94.3548

■ 84.9477, 94.9466,
101.4434

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



52.7289, 75.8117, 32.9486



46.0949, 75.8117, 59.2174



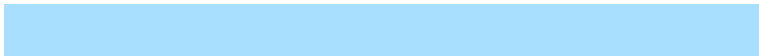
45.7069, 75.8117, 104.6169

Triad

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



46.0949, 75.8117, 59.2174



79.3994, 75.8117, 203.9800



97.3495, 75.8117, 35.2220

Complementary

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



46.0949, 75.8117, 59.2174



45.7544, 24.9605, 19.8612

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.



106.9756, 75.8117, 63.8206



46.0949, 75.8117, 59.2174



95.6101, 75.8117, 166.5873

Square

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



46.0949, 75.8117, 59.2174



63.3691, 75.8117, 201.2489



106.2950, 75.8117, 111.3149



81.5042, 75.8117, 23.1010

Rectangle

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



46.0949, 75.8117, 59.2174



48.9291, 75.8117, 141.7878



106.2950, 75.8117, 111.3149



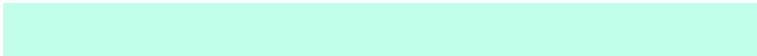
101.5195, 75.8117, 42.6440

Sweetspot

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



46.0956, 75.8120, 59.2187



72.8945, 88.9379, 91.6192



44.4414, 75.9264, 15.4460



15.0264, 18.7501, 19.0996



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



46.0956, 75.8120, 59.2187



43.4692, 74.6184, 51.8497



46.1794, 61.4514, 104.0351



18.2823, 20.3725, 21.7897



22.5488, 38.9161, 26.5728



2.2463, 3.8094, 2.8546

Inverse Universe

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



45.7544, 24.9605, 19.8612



43.2738, 22.2507, 12.0936



44.8255, 27.4747, 6.0736



18.2591, 18.0870, 19.9815



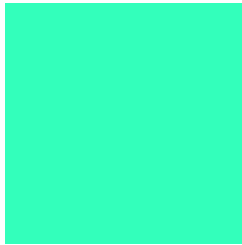
22.4671, 11.4761, 5.8443



2.2358, 1.1367, 0.8233

Previews

White Background



This preview shows how the XYZ color 46.0949, 75.8117, 59.2174 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 46.0949, 75.8117, 59.2174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

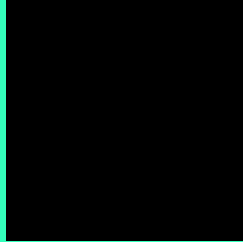
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0949, 75.8117, 59.2174

Background



This preview shows how black text looks on a background with the XYZ color 46.0949, 75.8117, 59.2174.



This preview shows how white text looks on a background with the XYZ color 46.0949, 75.8117,

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

46.0949, 75.8117, 59.2174

Protanopia

69.4307, 74.1046, 49.6740

Deuteranopia

75.5042, 73.8464, 62.4988



Tritanopia

60.3654, 75.2910, 105.9588

Trichromacy



Original Color

46.0949, 75.8117, 59.2174



Protanomaly

54.4387, 71.2489, 52.4782



Deuteranomaly

56.9785, 70.2676, 61.0120



Tritanomaly

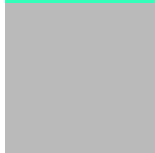
53.2420, 74.2692, 86.3922

Monochromacy



Original Color

46.0949, 75.8117, 59.2174



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

42.4737, 55.4521, 54.9191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0949, 75.8117, 59.2174 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(51, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 187)  
}
```

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(51, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 187) }
```

Border

The CSS property to change the border of an element to XYZ 46.0949, 75.8117, 59.2174 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(51, 255, 187) }
```


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

```
.border{ border-color:rgb(51, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(51, 255, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(51, 255, 187); box-shadow:4px 4px 4px 4px rgb(51, 255, 187) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0949, 75.8117, 59.2174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 187) }
```

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

```
.background{ background-color: rgb(51, 255,  
187) }
```

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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