

Converting Colors

XYZ(39.2945, 49.2517, 83.0368)

Have a look what the booklet for
XYZ(39.2945, 49.2517, 83.0368)
contains.

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Color

**XYZ(39.2945, 49.2517,
83.0368)**

Conversions

Conversions Part 1

Format	Color
Hex	5AC8E7
RGB	90, 200, 231
RGB Percent	35%, 78%, 91%
CMY	0.6470, 0.2157, 0.0941
CMYK	0.61, 0.13, 0.00, 0.09
HSL	193°, 75%, 63%
HSV	193°, 61%, 91%
XYZ	39.2945, 49.2517, 83.0368
YIQ	170.6440, -75.5110, -13.6790

Conversions

Conversions Part 2

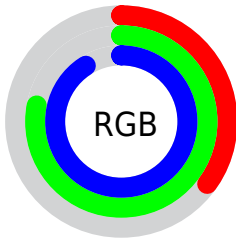
Format	Color
RYB	90, 152, 231
Decimal	5949671
CIELab	75.61, -22.38, -24.78
CIELCh	76, 33.393, 227.913
Yxy	49.2517, 0.2290, 0.2870
Android (android.graphics.Color)	4284139751 (0xFF5AC8E7)
YUV	170.6440, 29.7555, -70.7248
Hunter-Lab	70.1796, -22.8696, -21.0265

Details

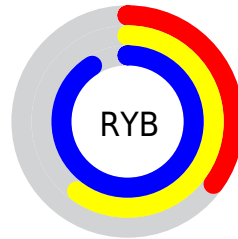
The XYZ color **39.2945, 49.2517, 83.0368** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **41.6392, 31.4036, 13.5414**, and the grayscale version is **38.4146, 40.4152, 44.0121**.

A 20% lighter version of the original color is **66.7589, 85.4154, 107.5760**, and **18.0167, 23.6529, 44.1733** is the 20% darker color. If you saturate the color by 10%, you get **36.2305, 45.9559, 82.5631**, and if you desaturate by 10%, it is **43.0987, 52.9891, 83.5586**.

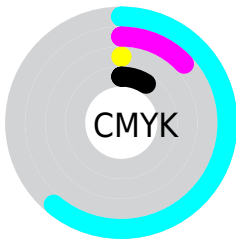
Distribution



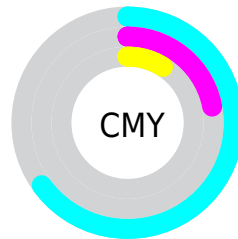
- Red (35%)
- Green (78%)
- Blue (91%)



- Red (35%)
- Yellow (60%)
- Blue (91%)



- Cyan (61%)
- Magenta (13%)
- Yellow (0%)
- Black (9%)



- Cyan (65%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2945, 49.2517, 83.0368 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 39.2945, 49.2517, 83.0368 by changing the saturation by 10% instead.

■ 39.2945, 49.2517,
83.0368

■ 39.2945, 49.2517,
83.0368

334.3266,
383.7324, 525.0834

■ 27.1707, 34.8192,
61.6797

■ 73.3792, 89.0652,
139.4767

■ 17.8387, 23.5236,
44.3398

■ 96.0708, 115.2149,
175.3966

■ 10.9332, 14.9806,
30.5986

■ 123.0156,
146.0392, 217.0078

■ 6.0889, 8.8058,
20.0375

■ 154.5791,
181.9224, 264.7290

■ 2.9404, 4.6147,
12.2380

191.1266,
223.2489, 318.9786

■ 1.1223, 2.0230,
6.7814

233.0234,

■ 0.0437, 0.6208,

270.4032, 380.1752

3.2494

280.6350,
323.7695, 448.7372

■ 0.0000, 0.0000,
1.2234

■ 0.0000, 0.0000,
0.0000

■ 39.2945, 49.2517,
83.0368

■ 39.2945, 49.2517,
83.0368

■ 36.2305, 45.9559,
82.5631

■ 43.0987, 52.9891,
83.5586

■ 33.8344, 43.0608,
82.1305

■ 47.6973, 57.1936,
84.1278

■ 32.0273, 40.5263,
81.7366

■ 53.1445, 61.8947,
84.7481

■ 30.7885, 38.4987,
81.4105

■ 59.4885, 67.1177,
85.4219

66.7737, 72.8861,
86.1513

75.0414, 79.2216,
86.9384

84.3304, 86.1449,
87.7852

87.0106, 89.7228,
88.3345

88.5320, 92.7656,
88.8416

Harmonies

Analogous

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



36.3963, 49.2517, 64.7832



39.2945, 49.2517, 83.0368



44.3690, 49.2517, 94.2361

Triad

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



39.2945, 49.2517, 83.0368



59.4124, 49.2517, 61.0693



43.2536, 49.2517, 27.3361

Complementary

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



39.2945, 49.2517, 83.0368



41.6392, 31.4036, 13.5414

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.



49.3436, 49.2517, 26.7692



39.2945, 49.2517, 83.0368



59.0470, 49.2517, 43.8308

Square

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



39.2945, 49.2517, 83.0368



56.1909, 49.2517, 79.8082



55.2325, 49.2517, 32.1378



38.5400, 49.2517, 33.9067

Rectangle

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



39.2945, 49.2517, 83.0368



48.4663, 49.2517, 94.8641



55.2325, 49.2517, 32.1378



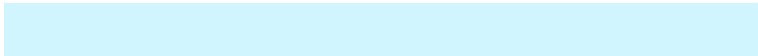
45.1963, 49.2517, 26.4994

Sweetspot

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



39.2961, 49.2535, 83.0380



76.9976, 86.0394, 107.1568



36.2174, 60.6962, 27.7534



15.9363, 17.9793, 22.8804



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.



39.2961, 49.2535, 83.0380



44.5589, 56.6102, 103.1861



26.6179, 23.8971, 78.8119



14.5245, 15.7704, 18.4228



17.3559, 21.7739, 45.6712



1.3492, 1.7423, 3.3972

Inverse Universe

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



47.0378, 28.4730, 57.6620



55.5059, 30.3566, 66.6017



53.4435, 55.0122, 17.4761



14.8523, 14.5581, 17.4228



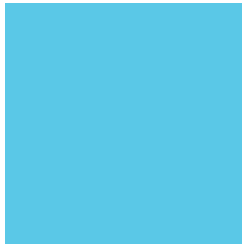
23.1540, 11.3958, 25.5034



1.7446, 0.8556, 2.0618

Previews

White Background



This preview shows how the XYZ color 39.2945, 49.2517, 83.0368 looks on a white background.

Color Contrast Check

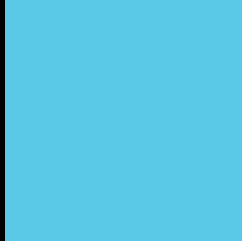
Large Text (above 18pt) WCAG AA × Fail

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 39.2945, 49.2517, 83.0368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

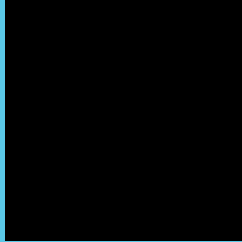
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.2945, 49.2517, 83.0368

Background



This preview shows how black text looks on a background with the XYZ color 39.2945, 49.2517, 83.0368.

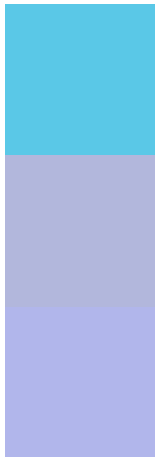


This preview shows how white text looks on a background with the XYZ color 39.2945, 49.2517,

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

39.2945, 49.2517, 83.0368

Protanopia

48.2119, 48.4993, 74.5304

Deuteranopia

49.8548, 48.8012, 85.3892



Tritanopia

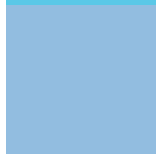
37.4316, 49.1878, 73.8510

Trichromacy



Original Color

39.2945, 49.2517, 83.0368



Protanomaly

43.5062, 47.8880, 77.4713



Deuteranomaly

44.7259, 48.3554, 84.8181



Tritanomaly

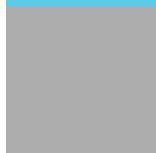
38.0437, 49.0794, 77.2802

Monochromacy



Original Color

39.2945, 49.2517, 83.0368



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

37.5089, 43.0569, 56.7860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2945, 49.2517, 83.0368 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(90, 200, 231)` looks like.

```
.text, #text, p{  
    color:rgb(90, 200, 231)  
}
```

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(90, 200, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 200, 231) }
```

Border

The CSS property to change the border of an element to XYZ 39.2945, 49.2517, 83.0368 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(90, 200, 231) }
```


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

```
.border{ border-color:rgb(90, 200, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 200, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 200, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 200, 231);  
box-shadow:4px 4px 4px 4px rgb(90, 200,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2945, 49.2517, 83.0368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 200, 231) }
```

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

```
.background{ background-color: rgb(90, 200,  
231) }
```

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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