

Converting Colors

XYZ(40.0518, 54.7504, 86.6624)

Have a look what the booklet for
XYZ(40.0518, 54.7504, 86.6624)
contains.

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Color

**XYZ(39.8941, 54.5472,
86.2679)**

Conversions

Conversions Part 1

Format	Color
Hex	2BD6EA
RGB	43, 214, 234
RGB Percent	17%, 84%, 92%
CMY	0.8313, 0.1608, 0.0823
CMYK	0.82, 0.09, 0.00, 0.08
HSL	186°, 82%, 54%
HSV	186°, 82%, 92%
XYZ	39.8941, 54.5472, 86.2679
YIQ	165.1510, -108.3360, -30.0320

Conversions

Conversions Part 2

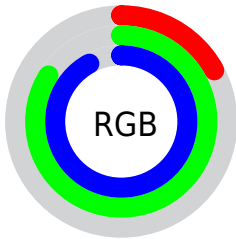
Format	Color
R _Y B	43, 133, 234
Decimal	2873066
CIE Lab	78.78, -34.17, -21.65
CIE LCh	79, 40.453, 212.361
Yxy	54.5472, 0.2208, 0.3019
Android (android.graphics.Color)	4281063146 (0xFF2BD6EA)
YUV	165.1510, 33.9426, -107.1264
Hunter-Lab	73.8561, -32.8296, -17.5547

Details

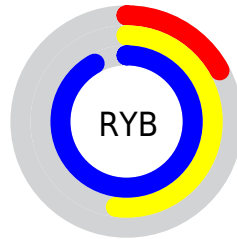
The XYZ color **39.8941, 54.5472, 86.2679** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **36.1470, 21.2241, 4.4788**, and the grayscale version is **35.7194, 37.5796, 40.9242**.

A 20% lighter version of the original color is **62.1222, 83.0251, 107.3590**, and **20.4340, 28.0106, 46.4491** is the 20% darker color. If you saturate the color by 10%, you get **38.5641, 52.9489, 86.0305**, and if you desaturate by 10%, it is **41.7987, 56.4577, 86.5373**.

Distribution



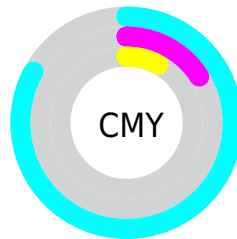
- Red (17%)
- Green (84%)
- Blue (92%)



- Red (17%)
- Yellow (52%)
- Blue (92%)



- Cyan (82%)
- Magenta (9%)
- Yellow (0%)
- Black (8%)



- Cyan (83%)
- Magenta (16%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8941, 54.5472, 86.2679 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 39.8941, 54.5472, 86.2679 by changing the saturation by 10% instead.

39.8941, 54.5472,
86.2679

39.8941, 54.5472,
86.2679

336.8191,
404.1932, 536.0678

27.6398, 39.0393,
64.3334

74.2876, 96.8772,
144.0331

18.1934, 26.7903,
46.4728

97.1575, 124.4681,
180.7009

11.1895, 17.4158,
32.2677

124.2967,
156.8555, 223.1168

6.2626, 10.5314,
21.2996

156.0705,
194.4238, 271.6995

3.0476, 5.7527,
13.1498

192.8443,
237.5573, 326.8673

1.1790, 2.6953,
7.3998

234.9834,

0.0897, 0.9748,

286.6404, 389.0390

3.6312

282.8532,
342.0576, 458.6329

■ 0.0000, 0.0000,
1.4253

■ 0.0000, 0.0000,
0.1613

■ 39.8941, 54.5472,
86.2679

■ 39.8941, 54.5472,
86.2679

■ 38.5641, 52.9489,
86.0305


■ 41.7987, 56.4577,
86.5373


■ 37.7744, 51.7864,
85.8478


■ 44.3567, 58.7179,
86.8388


■ 47.6398, 61.3658,
87.1768


■ 51.7088, 64.4329,
87.5544

 56.6182, 67.9474,
87.9740

 62.4176, 71.9348,
88.4380

 69.1526, 76.4187,
88.9485

 76.8659, 81.4212,
89.5075

 85.5971, 86.9628,
90.1170

Harmonies

Analogous

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



37.9297, 54.5472, 61.2285



39.8941, 54.5472, 86.2679



45.0242, 54.5472, 107.6626

Triad

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



39.8941, 54.5472, 86.2679



66.7210, 54.5472, 82.2935



51.2135, 54.5472, 25.3240

Complementary

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



39.8941, 54.5472, 86.2679



36.1470, 21.2241, 4.4788

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.



59.3231, 54.5472, 28.2608



39.8941, 54.5472, 86.2679



68.8061, 54.5472, 57.5938

Square

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



39.8941, 54.5472, 86.2679



60.5337, 54.5472, 104.9833



65.9730, 54.5472, 38.7738



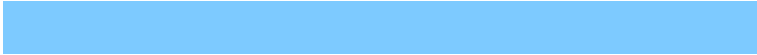
44.0311, 54.5472, 29.3830

Rectangle

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



39.8941, 54.5472, 86.2679



49.8251, 54.5472, 114.7118



65.9730, 54.5472, 38.7738



53.9197, 54.5472, 25.5251

Sweetspot

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



39.8958, 54.5492, 86.2692



73.9964, 86.1620, 107.3386



31.2930, 59.7095, 14.4501



15.2923, 18.0677, 22.9314



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.



39.8958, 54.5492, 86.2692



46.0867, 63.1986, 104.3773



22.4945, 19.7465, 80.4688



15.3751, 16.8366, 19.3617



21.2821, 29.2112, 48.2596



1.7099, 2.3713, 3.8025

Inverse Universe

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



46.9347, 24.0770, 65.7939



55.4148, 27.0185, 76.3003



46.5287, 41.9875, 7.9394



15.6429, 15.2850, 18.6707



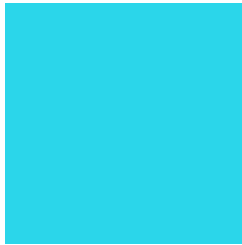
25.5975, 12.4417, 35.2775



2.0296, 0.9848, 2.8732

Previews

White Background



This preview shows how the XYZ color 39.8941, 54.5472, 86.2679 looks on a white background.

Color Contrast Check

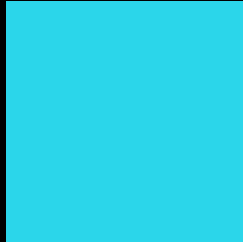
Large Text (above 18pt) WCAG AA × Fail

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 39.8941, 54.5472, 86.2679 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 39.8941, 54.5472, 86.2679

Background



This preview shows how black text looks on a background with the XYZ color 39.8941, 54.5472, 86.2679.

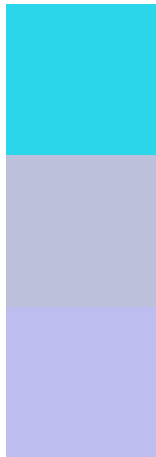


This preview shows how white text looks on a background with the XYZ color 39.8941, 54.5472,

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

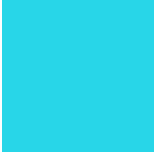
39.8941, 54.5472, 86.2679

Protanopia

52.6221, 53.6326, 74.5965

Deuteranopia

54.7638, 53.4460, 89.0911



Tritanopia

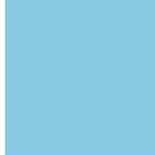
39.4871, 54.3704, 84.7573

Trichromacy



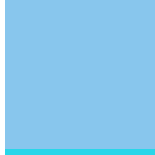
Original Color

39.8941, 54.5472, 86.2679



Protanomaly

44.2622, 51.9246, 78.2106



Deuteranomaly

45.6335, 51.7368, 87.7018



Tritanomaly

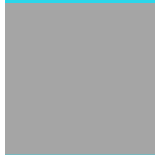
39.6690, 54.4477, 85.5095

Monochromacy



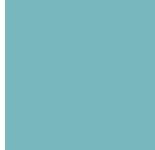
Original Color

39.8941, 54.5472, 86.2679



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

34.1129, 41.6496, 54.9564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8941, 54.5472, 86.2679 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(43, 214, 234)` looks like.

```
.text, #text, p{  
    color:rgb(43, 214, 234)  
}
```

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(43, 214, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 214, 234) }
```

Border

The CSS property to change the border of an element to XYZ 39.8941, 54.5472, 86.2679 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(43, 214, 234) }
```


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

```
.border{ border-color:rgb(43, 214, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 214, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 214, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 214, 234);  
box-shadow:4px 4px 4px 4px rgb(43, 214,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8941, 54.5472, 86.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 214, 234) }
```

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

```
.background{ background-color: rgb(43, 214,  
234) }
```

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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