

Converting Colors

XYZ(39.7861, 50.6292, 81.6340)

Have a look what the booklet for
XYZ(39.7861, 50.6292, 81.6340)
contains.

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Color

**XYZ(39.8132, 50.5932,
81.7958)**

Conversions

Conversions Part 1

Format	Color
Hex	5BCBE5
RGB	91, 203, 229
RGB Percent	36%, 80%, 90%
CMY	0.6431, 0.2039, 0.1020
CMYK	0.60, 0.11, 0.00, 0.10
HSL	191°, 73%, 63%
HSV	191°, 60%, 90%
XYZ	39.8132, 50.5932, 81.7958
YIQ	172.4760, -75.0980, -15.6580

Conversions

Conversions Part 2

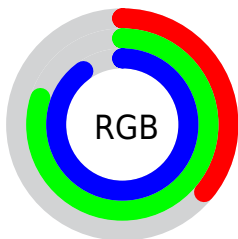
Format	Color
R _Y B	91, 153, 229
Decimal	6015973
CIE Lab	76.43, -24.30, -22.45
CIE LCh	76, 33.083, 222.724
Yxy	50.5932, 0.2312, 0.2938
Android (android.graphics.Color)	4284206053 (0xFF5BCBE5)
YUV	172.4760, 27.8663, -71.4545
Hunter-Lab	71.1289, -24.5632, -18.3912

Details

The XYZ color **39.8132, 50.5932, 81.7958** 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 **40.5641, 30.1375, 13.5784**, and the grayscale version is **39.3460, 41.3950, 45.0792**.

A 20% lighter version of the original color is **66.9469, 85.5123, 107.5848**, and **18.2903, 24.5120, 43.3025** is the 20% darker color. If you saturate the color by 10%, you get **36.8863, 47.5938, 81.3721**, and if you desaturate by 10%, it is **43.4603, 54.0081, 82.2637**.

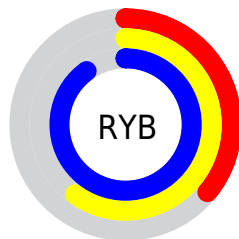
Distribution



Red (36%)

Green (80%)

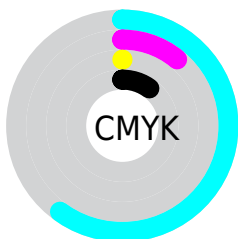
Blue (90%)



Red (36%)

Yellow (60%)

Blue (90%)

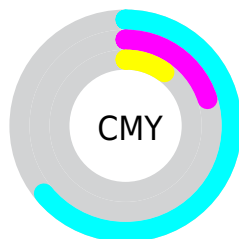


Cyan (60%)

Magenta (11%)

Yellow (0%)

Black (10%)



Cyan (64%)

Magenta (20%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8132, 50.5932, 81.7958 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 39.8132, 50.5932, 81.7958 by changing the saturation by 10% instead.

■ 39.8132, 50.5932,
81.7958

■ 39.8132, 50.5932,
81.7958

336.4835,
388.9812, 520.8299

■ 27.5765, 35.8850,
60.6624

■ 74.1651, 91.0532,
137.7217

■ 18.1455, 24.3454,
43.5240

■ 97.0111, 117.5737,
173.3513

■ 11.1548, 15.5900,
29.9620

■ 124.1241,
148.8004, 214.6501

■ 6.2391, 9.2345,
19.5580

■ 155.8696,
185.1178, 262.0365

■ 3.0331, 4.8945,
11.8932

192.6130,
226.9101, 315.9292

■ 1.1713, 2.1855,
6.5494

234.7195,

■ 0.0835, 0.7121,

274.5619, 376.7466

3.1078

282.5546,
328.4575, 444.9073

■ 0.0000, 0.0000,
1.1499

■ 0.0000, 0.0000,
0.0000

■ 39.8132, 50.5932,
81.7958

■ 39.8132, 50.5932,
81.7958

■ 36.8863, 47.5938,
81.3721

■ 43.4603, 54.0081,
82.2637

■ 34.6096, 44.9702,
80.9857

■ 47.8796, 57.8625,
82.7747

■ 32.9072, 42.6842,
80.6341

■ 53.1240, 62.1849,
83.3326

■ 31.6719, 40.7149,
80.3191

■ 59.2400, 66.9998,
83.9396

■ 66.2707, 72.3297,
84.5978

■ 74.2563, 78.1955,
85.3092

■ 83.2345, 84.6171,
86.0755

■ 85.8175, 87.7861,
86.5510

■ 87.0854, 90.3219,
86.9736

Harmonies

Analogous

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



37.3235, 50.5932, 62.9947



39.8132, 50.5932, 81.7958



44.6170, 50.5932, 94.7692

Triad

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



39.8132, 50.5932, 81.7958



60.4568, 50.5932, 65.9163



45.4968, 50.5932, 27.9421

Complementary

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



39.8132, 50.5932, 81.7958



40.5641, 30.1375, 13.5784

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.



51.7331, 50.5932, 28.3929



39.8132, 50.5932, 81.7958



60.7440, 50.5932, 47.8712

Square

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



39.8132, 50.5932, 81.7958



56.6812, 50.5932, 84.3287



57.4350, 50.5932, 34.9356



40.4092, 50.5932, 33.5329

Rectangle

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



39.8132, 50.5932, 81.7958



48.6590, 50.5932, 96.9521



57.4350, 50.5932, 34.9356



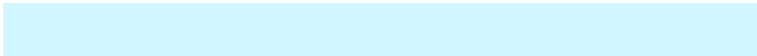
47.5202, 50.5932, 27.4340

Sweetspot

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



39.8148, 50.5951, 81.7970



77.4359, 86.9160, 107.3029



35.5050, 59.5319, 26.2360



16.0443, 18.1955, 22.9164



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.



39.8148, 50.5951, 81.7970



46.3788, 59.9765, 103.7399



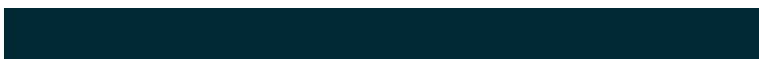
27.0811, 25.1276, 77.5524



14.5645, 15.8505, 18.4361



18.1918, 23.4457, 45.9498



1.4041, 1.8521, 3.4155

Inverse Universe

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



46.8351, 28.4536, 59.5255



56.4914, 31.0066, 71.0024



51.6146, 52.2386, 17.2619



14.8725, 14.5662, 17.5292



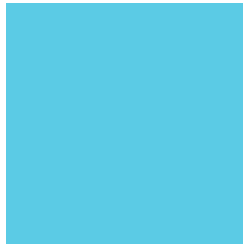
23.5759, 11.5646, 27.7253



1.7723, 0.8667, 2.2077

Previews

White Background



This preview shows how the XYZ color 39.8132, 50.5932, 81.7958 looks on a white background.

Color Contrast Check

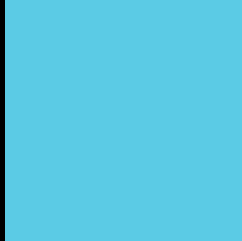
Large Text (above 18pt) WCAG AA × Fail

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 39.8132, 50.5932, 81.7958 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

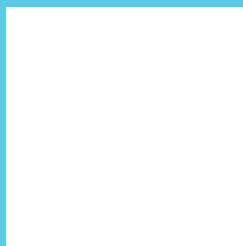
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.8132, 50.5932, 81.7958

Background



This preview shows how black text looks on a background with the XYZ color 39.8132, 50.5932, 81.7958.



This preview shows how white text looks on a background with the XYZ color 39.8132, 50.5932,

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

39.8132, 50.5932, 81.7958

Protanopia

49.1393, 49.9513, 72.6973

Deuteranopia

51.1399, 50.1093, 84.0675



Tritanopia

38.5745, 50.4324, 76.1080

Trichromacy



Original Color

39.8132, 50.5932, 81.7958

Protanomaly

44.1135, 49.2156, 75.5811

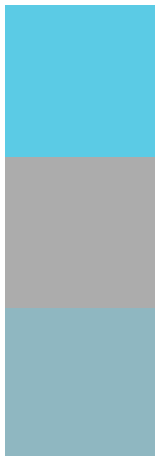
Deuteranomaly

45.5907, 49.4774, 83.4911

Tritanomaly

39.0719, 50.6423, 78.2366

Monochromacy



Original Color

39.8132, 50.5932, 81.7958

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.8868, 43.5569, 56.8625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8132, 50.5932, 81.7958 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(91, 203, 229)` looks like.

```
.text, #text, p{  
    color:rgb(91, 203, 229)  
}
```

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(91, 203, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 203, 229) }
```

Border

The CSS property to change the border of an element to XYZ 39.8132, 50.5932, 81.7958 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(91, 203, 229) }
```


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

```
.border{ border-color:rgb(91, 203, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 203, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 203, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 203, 229);  
box-shadow:4px 4px 4px 4px rgb(91, 203,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8132, 50.5932, 81.7958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 203, 229) }
```

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

```
.background{ background-color: rgb(91, 203,  
229) }
```

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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