

Converting Colors

XYZ(31.5782, 38.3047, 78.3671)

Have a look what the booklet for
XYZ(31.5782, 38.3047, 78.3671)
contains.

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Color

**XYZ(31.5892, 38.3166,
78.4040)**

Conversions

Conversions Part 1

Format	Color
Hex	3BB2E3
RGB	59, 178, 227
RGB Percent	23%, 70%, 89%
CMY	0.7686, 0.3020, 0.1098
CMYK	0.74, 0.22, 0.00, 0.11
HSL	198°, 75%, 56%
HSV	198°, 74%, 89%
XYZ	31.5892, 38.3166, 78.4040
YIQ	148.0050, -86.6530, -9.9890

Conversions

Conversions Part 2

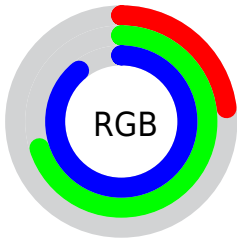
Format	Color
RYB	59, 129, 227
Decimal	3912419
CIELab	68.25, -16.82, -34.00
CIElCh	68, 37.931, 243.677
Yxy	38.3166, 0.2130, 0.2584
Android (android.graphics.Color)	4282102499 (0xFF3BB2E3)
YUV	148.0050, 38.9445, -78.0574
Hunter-Lab	61.9004, -17.2331, -31.7673

Details

The XYZ color **31.5892, 38.3166, 78.4040** is a light color, and the websafe version is hex **0099CC**. The color can be described as light washed azure. A complement of this color would be **37.8326, 27.3748, 7.4294**, and the grayscale version is **28.0211, 29.4804, 32.1041**.

A 20% lighter version of the original color is **56.3749, 70.6548, 105.2742**, and **14.6843, 17.6075, 41.1527** is the 20% darker color. If you saturate the color by 10%, you get **29.2388, 35.1968, 77.9265**, and if you desaturate by 10%, it is **34.5904, 41.8677, 78.9320**.

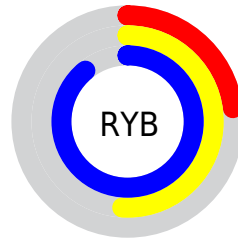
Distribution



Red (23%)

Green (70%)

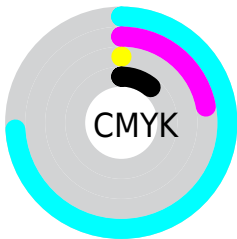
Blue (89%)



Red (23%)

Yellow (51%)

Blue (89%)

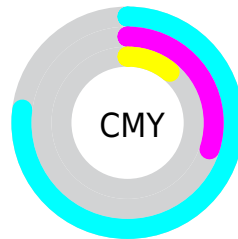


Cyan (74%)

Magenta (22%)

Yellow (0%)

Black (11%)



Cyan (77%)

Magenta (30%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5892, 38.3166, 78.4040 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 31.5892, 38.3166, 78.4040 by changing the saturation by 10% instead.

■ 31.5892, 38.3166,
78.4040

■ 31.5892, 38.3166,
78.4040

301.0223,
338.9762, 509.1020

■ 21.2019, 26.2285,
57.8875

■ 61.5361, 72.5931,
132.9105

■ 13.3850, 16.9947,
41.3041

■ 81.8264, 95.5504,
167.7376

■ 7.7730, 10.2307,
28.2353

■ 106.1485,
122.8995, 208.1720

■ 4.0006, 5.5522,
18.2625

■ 134.8676,
155.0248, 254.6322

■ 1.7025, 2.5747,
10.9672

■ 168.3492,
192.3107, 307.5368

■ 0.4578, 0.9140,
5.9309

206.9586,

■ 0.0000, 0.0000,

235.1416, 367.3042

2.7350

251.0612,
283.9020, 434.3531

■ 0.0000, 0.0000,
0.9610

■ 0.0000, 0.0000,
0.0000

■ 31.5892, 38.3166,
78.4040

■ 31.5892, 38.3166,
78.4040

■ 29.2388, 35.1968,
77.9265

■ 34.5904, 41.8677,
78.9320

■ 27.4523, 32.4600,
77.4924

■ 38.3065, 45.8823,
79.5111

■ 26.5733, 30.9621,
77.2496

■ 42.7981, 50.3937,
80.1451

■ 48.1175, 55.4301,
80.8369

■ 54.3128, 61.0174,
81.5888

■ 61.4276, 67.1794,
82.4032

■ 69.5031, 73.9383,
83.2822

■ 78.5775, 81.3152,
84.2278

■ 85.5615, 87.7185,
85.0956

Harmonies

Analogous

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



27.7238, 38.3166, 62.5932



31.5892, 38.3166, 78.4040



37.1555, 38.3166, 83.5720

Triad

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



31.5892, 38.3166, 78.4040



49.0352, 38.3166, 39.6594



30.4504, 38.3166, 20.0048

Complementary

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



31.5892, 38.3166, 78.4040



37.8326, 27.3748, 7.4294

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.



35.6919, 38.3166, 16.8661



31.5892, 38.3166, 78.4040



46.7647, 38.3166, 26.0953

Square

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



31.5892, 38.3166, 78.4040



47.6345, 38.3166, 57.9555



41.7171, 38.3166, 18.7482



27.1182, 38.3166, 28.8412

Rectangle

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



31.5892, 38.3166, 78.4040



41.1963, 38.3166, 79.3796



41.7171, 38.3166, 18.7482



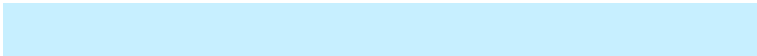
32.0257, 38.3166, 18.3764

Sweetspot

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



31.5905, 38.3179, 78.4050



72.3369, 80.8689, 106.4044



31.9072, 56.9223, 23.1080



14.9740, 16.8606, 22.7152



0.0000, 0.0000, 0.0000



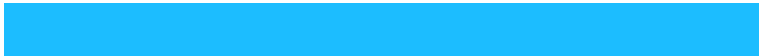
20.3446, 21.4041, 23.3091

Same Dimension

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



31.5905, 38.3179, 78.4050



36.6854, 43.7779, 101.1242



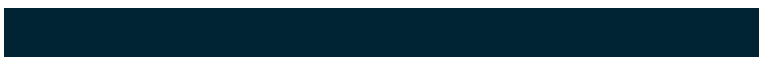
19.7990, 14.7350, 74.4745



14.4338, 15.5889, 18.3926



15.6028, 18.2676, 45.0868



1.2322, 1.5083, 3.3582

Inverse Universe

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



41.2797, 22.6748, 44.3216



50.8203, 25.7584, 50.3252



51.0132, 53.7360, 11.8229



14.8065, 14.5398, 17.1816



22.2691, 11.0418, 20.8436



1.6856, 0.8319, 1.7508

Previews

White Background



This preview shows how the XYZ color 31.5892, 38.3166, 78.4040 looks on a white background.

Color Contrast Check

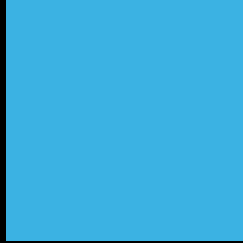
Large Text (above 18pt) WCAG AA × Fail

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 31.5892, 38.3166, 78.4040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

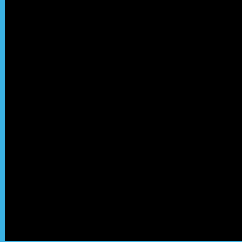
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5892, 38.3166, 78.4040

Background



This preview shows how black text looks on a background with the XYZ color 31.5892, 38.3166, 78.4040.



This preview shows how white text looks on a background with the XYZ color 31.5892, 38.3166,

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

31.5892, 38.3166, 78.4040

Protanopia

38.2544, 37.7316, 70.2324

Deuteranopia

38.7078, 37.7472, 80.1087



Tritanopia

27.7222, 38.2513, 59.3482

Trichromacy



Original Color

31.5892, 38.3166, 78.4040

Protanomaly

34.3921, 37.0241, 73.0439

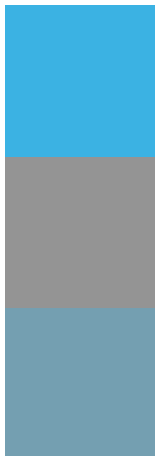
Deuteranomaly

34.8276, 37.1072, 79.4555

Tritanomaly

28.9873, 38.1434, 66.1562

Monochromacy



Original Color

31.5892, 38.3166, 78.4040

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.5364, 31.6836, 46.2592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5892, 38.3166, 78.4040 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(59, 178, 227)` looks like.

```
.text, #text, p{  
    color:rgb(59, 178, 227)  
}
```

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(59, 178, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 178, 227) }
```

Border

The CSS property to change the border of an element to XYZ 31.5892, 38.3166, 78.4040 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(59, 178, 227) }
```


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

```
.border{ border-color:rgb(59, 178, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 178, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 178, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 178, 227);  
box-shadow:4px 4px 4px 4px rgb(59, 178,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5892, 38.3166, 78.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 178, 227) }
```

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

```
.background{ background-color: rgb(59, 178,  
227) }
```

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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