

Converting Colors

XYZ(31.1664, 38.7226, 82.3513)

Have a look what the booklet for
XYZ(31.1664, 38.7226, 82.3513)
contains.

XYZ(31.0527, 38.5543, 82.1490)	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>	30

Color

**XYZ(31.0527, 38.5543,
82.1490)**

Conversions

Conversions Part 1

Format	Color
Hex	0DB4E8
RGB	13, 180, 232
RGB Percent	5%, 71%, 91%
CMY	0.9488, 0.2941, 0.0902
CMYK	0.94, 0.22, 0.00, 0.09
HSL	194°, 89%, 48%
HSV	194°, 94%, 91%
XYZ	31.0527, 38.5543, 82.1490
YIQ	135.9950, -116.2240, -19.2320

Conversions

Conversions Part 2

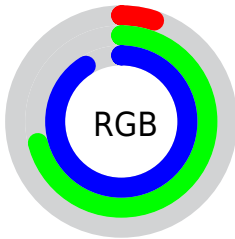
Format	Color
RYB	13, 108, 232
Decimal	898280
CIELab	68.43, -19.54, -36.51
CIELCh	68, 41.409, 241.841
Yxy	38.5543, 0.2046, 0.2541
Android (android.graphics.Color)	4279088360 (0xFF0DB4E8)
YUV	135.9950, 47.3305, -107.8666
Hunter-Lab	62.0921, -19.3921, -34.9773

Details

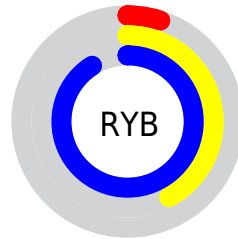
The XYZ color **31.0527, 38.5543, 82.1490** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **35.2450, 20.9712, 2.5727**, and the grayscale version is **23.2654, 24.4770, 26.6555**.

A 20% lighter version of the original color is **54.4759, 70.5259, 105.3494**, and **15.4258, 18.3133, 43.7961** is the 20% darker color. If you saturate the color by 10%, you get **30.2687, 37.2324, 81.9359**, and if you desaturate by 10%, it is **32.7582, 41.1184, 82.5548**.

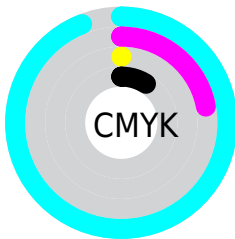
Distribution



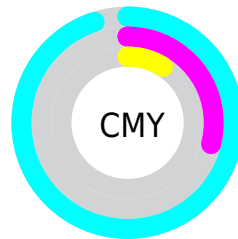
- Red (5%)
- Green (71%)
- Blue (91%)



- Red (5%)
- Yellow (42%)
- Blue (91%)



- Cyan (94%)
- Magenta (22%)
- Yellow (0%)
- Black (9%)



- Cyan (95%)
- Magenta (29%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0527, 38.5543, 82.1490 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 31.0527, 38.5543, 82.1490 by changing the saturation by 10% instead.

31.0527, 38.5543,
82.1490

31.0527, 38.5543,
82.1490

298.6036,
339.9918, 522.0425

20.7910, 26.4132,
60.9518

60.6983, 72.9569,
138.2215

13.0829, 17.1330,
43.7560

80.8129, 95.9873,
173.9339

7.5631, 10.3294,
30.1429

104.9426,
123.4161, 215.3218

3.8661, 5.6179,
19.6941

133.4526,
155.6278, 262.8037

1.6267, 2.6141,
11.9910

166.7084,
193.0069, 316.7982

0.4097, 0.9338,
6.6151

205.0752,

0.0000, 0.0000,

235.9376, 377.7238

3.1478

248.9185,
284.8045, 445.9990

■ 0.0000, 0.0000,
1.1706

■ 0.0000, 0.0000,
0.0000

■ 31.0527, 38.5543,
82.1490

■ 31.0527, 38.5543,
82.1490

■ 30.2687, 37.2324,
81.9359

■ 32.7582, 41.1184,
82.5548

■ 35.0316, 44.0410,
82.9991

■ 37.9621, 47.3694,
83.4871

■ 41.6218, 51.1417,
84.0223

■ 46.0730, 55.3904,
84.6078

■ 51.3708, 60.1449,
85.2463

■ 57.5656, 65.4316,
85.9403

■ 64.7032, 71.2751,
86.6919

■ 72.8267, 77.6979,
87.5035

Harmonies

Analogous

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



27.0120, 38.5543, 63.8583



31.0527, 38.5543, 82.1490



37.0482, 38.5543, 88.9324

Triad

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



31.0527, 38.5543, 82.1490



50.6235, 38.5543, 40.8383



30.4334, 38.5543, 18.3070

Complementary

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



31.0527, 38.5543, 82.1490



35.2450, 20.9712, 2.5727

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.



36.2442, 38.5543, 15.3878



31.0527, 38.5543, 82.1490



48.3319, 38.5543, 25.7731

Square

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



31.0527, 38.5543, 82.1490



48.8170, 38.5543, 61.2570



42.8707, 38.5543, 17.6529



26.6853, 38.5543, 27.2405

Rectangle

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



31.0527, 38.5543, 82.1490



41.4985, 38.5543, 84.7871



42.8707, 38.5543, 17.6529



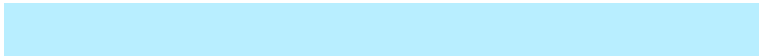
32.1850, 38.5543, 16.7329

Sweetspot

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



31.0541, 38.5556, 82.1500



68.3086, 78.5353, 106.1663



29.9529, 58.1715, 14.5206



13.9182, 16.2075, 22.6447



0.0000, 0.0000, 0.0000



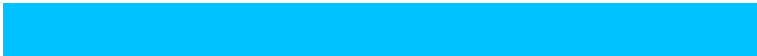
20.3446, 21.4041, 23.3091

Same Dimension

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



31.0541, 38.5556, 82.1500



37.4399, 45.9998, 101.5133



17.0134, 10.4743, 77.4698



14.5022, 15.7257, 18.4154



16.9056, 20.8733, 45.5211



1.3194, 1.6827, 3.3872

Inverse Universe

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



41.6620, 20.7405, 44.9887



51.0271, 25.1749, 53.4684



48.4136, 47.3082, 6.9622



14.8411, 14.5536, 17.3634



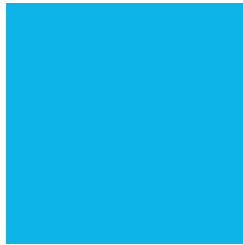
22.9267, 11.3049, 24.3066



1.7296, 0.8495, 1.9826

Previews

White Background



This preview shows how the XYZ color 31.0527, 38.5543, 82.1490 looks on a white background.

Color Contrast Check

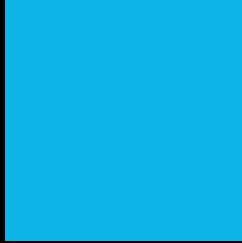
Large Text (above 18pt) WCAG AA × Fail

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 31.0527, 38.5543, 82.1490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

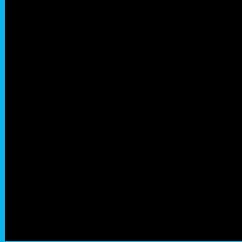
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0527, 38.5543, 82.1490

Background



This preview shows how black text looks on a background with the XYZ color 31.0527, 38.5543, 82.1490.



This preview shows how white text looks on a background with the XYZ color 31.0527, 38.5543,

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

31.0527, 38.5543, 82.1490

Protanopia

38.6393, 38.1494, 72.3449

Deuteranopia

39.2310, 38.1825, 84.6591

Trichromacy



Original Color

31.0527, 38.5543, 82.1490

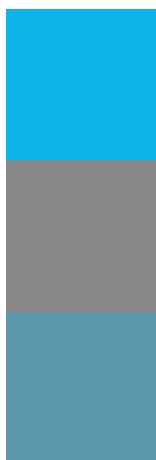
Protanomaly

33.0848, 36.8406, 75.8882

Deuteranomaly

33.9862, 37.1273, 83.9723

Monochromacy



Original Color

31.0527, 38.5543, 82.1490

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.8933, 27.6209, 42.6528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0527, 38.5543, 82.1490 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(13, 180, 232)` looks like.

```
.text, #text, p{  
    color:rgb(13, 180, 232)  
}
```

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(13, 180, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 180, 232) }
```

Border

The CSS property to change the border of an element to XYZ 31.0527, 38.5543, 82.1490 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(13, 180, 232) }
```

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

```
.border{ border-color:rgb(13, 180, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 180, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 180, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 180, 232);  
box-shadow:4px 4px 4px 4px rgb(13, 180,  
232) }
```


Background

The CSS property to change the background color of an element to XYZ 31.0527, 38.5543, 82.1490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 180, 232) }
```

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

```
.background{ background-color: rgb(13, 180,  
232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor