

Converting Colors

XYZ(38.7519, 54.8284, 81.2135)

Have a look what the booklet for
XYZ(38.7519, 54.8284, 81.2135)
contains.

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Color

**XYZ(38.7519, 54.8284,
81.2135)**

Conversions

Conversions Part 1

Format	Color
Hex	16D8E3
RGB	22, 216, 227
RGB Percent	9%, 85%, 89%
CMY	0.9136, 0.1529, 0.1098
CMYK	0.90, 0.05, 0.00, 0.11
HSL	183°, 82%, 49%
HSV	183°, 90%, 89%
XYZ	38.7519, 54.8284, 81.2135
YIQ	159.2480, -119.1550, -37.7070

Conversions

Conversions Part 2

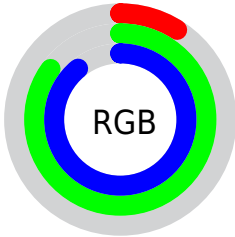
Format	Color
R _Y B	22, 122, 227
Decimal	1497315
CIE Lab	78.94, -38.48, -17.68
CIE LCh	79, 42.348, 204.684
Yxy	54.8284, 0.2217, 0.3137
Android (android.graphics.Color)	4279687395 (0xFF16D8E3)
YUV	159.2480, 33.4017, -120.3665
Hunter-Lab	74.0462, -36.1633, -13.1966

Details

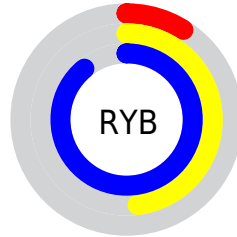
The XYZ color **38.7519, 54.8284, 81.2135** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.3689, 17.4787, 2.4285**, and the grayscale version is **32.9644, 34.6811, 37.7677**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **20.1913, 28.4683, 43.4605** is the 20% darker color. If you saturate the color by 10%, you get **38.1201, 54.0558, 81.0987**, and if you desaturate by 10%, it is **39.8057, 55.8378, 81.3538**.

Distribution



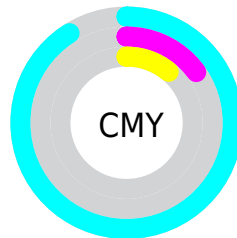
- Red (9%)
- Green (85%)
- Blue (89%)



- Red (9%)
- Yellow (48%)
- Blue (89%)



- Cyan (90%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)



- Cyan (91%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7519, 54.8284, 81.2135 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 38.7519, 54.8284, 81.2135 by changing the saturation by 10% instead.

38.7519, 54.8284,
81.2135

38.7519, 54.8284,
81.2135

332.0599,
405.2611, 518.8273

26.7466, 39.2643,
60.1854

72.5557, 97.2895,
136.8973

17.5186, 26.9654,
43.1418

95.0848, 124.9553,
172.3901

10.7025, 17.5473,
29.6642

121.8527,
157.4239, 213.5415

5.9330, 10.6254,
19.3340

153.2247,
195.0795, 260.7701

2.8447, 5.8156,
11.7326

189.5660,
238.3067, 314.4945

1.0722, 2.7333,
6.4415

231.2420,

0.0016, 0.9941,

287.4897, 375.1331

3.0423

278.6182,
343.0131, 443.1045

■ 0.0000, 0.0000,
1.1163

■ 0.0000, 0.0000,
0.0000

■ 38.7519, 54.8284,
81.2135

■ 38.7519, 54.8284,
81.2135

■ 38.1201, 54.0558,
81.0987

■ 39.8057, 55.8378,
81.3538

■ 41.3954, 57.1257,
81.5186

■ 43.5982, 58.7332,
81.7128

■ 46.4777, 60.6930,
81.9393

■ 50.0893, 63.0337,
82.2008

■ 54.4831, 65.7810,
82.4995

■ 59.7043, 68.9584,
82.8376

■ 65.7950, 72.5875,
83.2171

■ 72.7943, 76.6885,
83.6397

Harmonies

Analogous

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



37.6071, 54.8284, 55.5082



38.7519, 54.8284, 81.2135



43.3088, 54.8284, 106.0471

Triad

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



38.7519, 54.8284, 81.2135



66.4596, 54.8284, 90.6881



53.6260, 54.8284, 24.4287

Complementary

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



38.7519, 54.8284, 81.2135



32.3689, 17.4787, 2.4285

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.



62.0356, 54.8284, 29.3118



38.7519, 54.8284, 81.2135



69.9378, 54.8284, 64.0952

Square

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



38.7519, 54.8284, 81.2135



59.1650, 54.8284, 112.4687



68.2379, 54.8284, 42.3649



45.6444, 54.8284, 26.7205

Rectangle

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



38.7519, 54.8284, 81.2135



47.9552, 54.8284, 116.4629



68.2379, 54.8284, 42.3649



56.5039, 54.8284, 25.2346

Sweetspot

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



38.7536, 54.8304, 81.2148



72.9289, 86.8634, 107.5303



28.0657, 55.2157, 10.5652



15.1390, 18.3032, 22.9849



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.



38.7536, 54.8304, 81.2148



49.5992, 70.3185, 105.5664



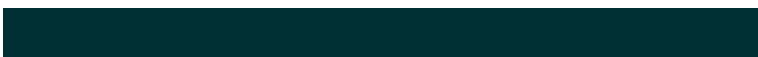
20.2447, 17.8126, 75.0452



14.7377, 16.1969, 18.4939



22.2596, 31.5814, 47.3058



1.6653, 2.3745, 3.5025

Inverse Universe

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



44.3616, 21.8643, 66.8500



57.1646, 27.6298, 85.7878



40.4555, 33.6519, 5.1240



14.9600, 14.6012, 17.9895



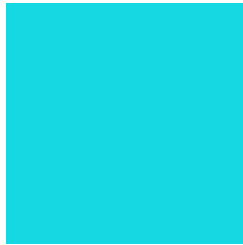
25.6291, 12.3859, 38.5376



1.9042, 0.9194, 2.9020

Previews

White Background



This preview shows how the XYZ color 38.7519, 54.8284, 81.2135 looks on a white background.

Color Contrast Check

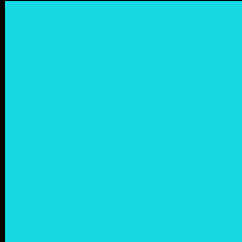
Large Text (above 18pt) WCAG AA × Fail

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 38.7519, 54.8284, 81.2135 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

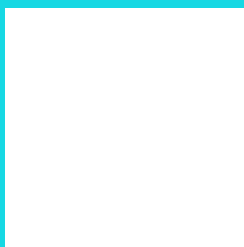
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7519, 54.8284, 81.2135

Background



This preview shows how black text looks on a background with the XYZ color 38.7519, 54.8284, 81.2135.



This preview shows how white text looks on a background with the XYZ color 38.7519, 54.8284,

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

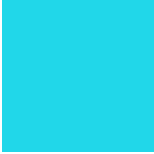
38.7519, 54.8284, 81.2135

Protanopia

52.4715, 53.6592, 69.8791

Deuteranopia

54.8979, 53.6158, 84.5463



Tritanopia

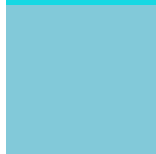
39.6356, 54.8074, 85.5807

Trichromacy



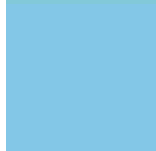
Original Color

38.7519, 54.8284, 81.2135



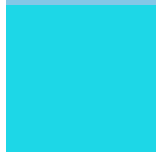
Protanomaly

42.6170, 51.5289, 73.3456



Deuteranomaly

44.2073, 51.4417, 83.2006



Tritanomaly

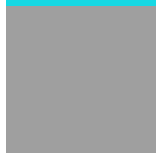
39.2309, 54.6316, 84.0786

Monochromacy



Original Color

38.7519, 54.8284, 81.2135



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

31.2797, 39.3544, 51.2950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7519, 54.8284, 81.2135 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(22, 216, 227)` looks like.

```
.text, #text, p{  
    color:rgb(22, 216, 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(22, 216, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 216, 227) }
```

Border

The CSS property to change the border of an element to XYZ 38.7519, 54.8284, 81.2135 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(22, 216, 227) }
```


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

```
.border{ border-color:rgb(22, 216, 227) }
```

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

Here you see how a box with a 4 pixel rgb(22, 216, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 216, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 216, 227);  
box-shadow:4px 4px 4px 4px rgb(22, 216,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7519, 54.8284, 81.2135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 216, 227) }
```

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

```
.background{ background-color: rgb(22, 216,  
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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