

Converting Colors

XYZ(38.6368, 52.2087, 86.8752)

Have a look what the booklet for
XYZ(38.6368, 52.2087, 86.8752)
contains.

XYZ(38.4555, 51.9392, 86.5957)	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>	31

Color

**XYZ(38.4555, 51.9392,
86.5957)**

Conversions

Conversions Part 1

Format	Color
Hex	22D1EB
RGB	34, 209, 235
RGB Percent	13%, 82%, 92%
CMY	0.8666, 0.1804, 0.0784
CMYK	0.86, 0.11, 0.00, 0.08
HSL	188°, 83%, 53%
HSV	188°, 86%, 92%
XYZ	38.4555, 51.9392, 86.5957
YIQ	159.6390, -112.6460, -29.0140

Conversions

Conversions Part 2

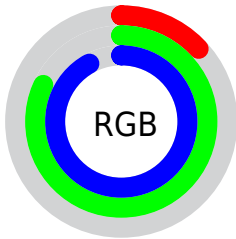
Format	Color
R_{YB}	34, 128, 235
Decimal	2281963
CIE _{Lab}	77.24, -32.11, -24.53
CIE _{LCh}	77, 40.408, 217.384
Yxy	51.9392, 0.2173, 0.2935
Android (android.graphics.Color)	4280472043 (0xFF22D1EB)
YUV	159.6390, 37.1530, -110.1854
Hunter-Lab	72.0689, -30.8740, -20.7928

Details

The XYZ color **38.4555, 51.9392, 86.5957** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **36.1673, 21.0118, 3.6644**, and the grayscale version is **33.1228, 34.8478, 37.9493**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **19.6923, 26.3659, 46.6991** is the 20% darker color. If you saturate the color by 10%, you get **37.1898, 50.1910, 86.3260**, and if you desaturate by 10%, it is **40.2670, 53.9919, 86.8974**.

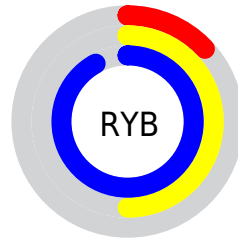
Distribution



Red (13%)

Green (82%)

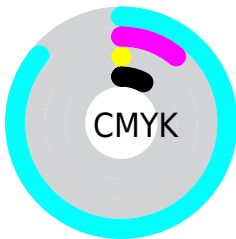
Blue (92%)



Red (13%)

Yellow (50%)

Blue (92%)

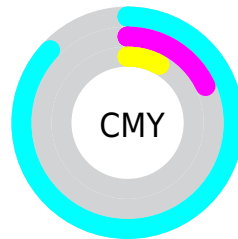


Cyan (86%)

Magenta (11%)

Yellow (0%)

Black (8%)



Cyan (87%)


Magenta (18%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4555, 51.9392, 86.5957 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 38.4555, 51.9392, 86.5957 by changing the saturation by 10% instead.


 38.4555, 51.9392,
86.5957


 38.4555, 51.9392,
86.5957

330.8171,
394.2018, 537.1751


 26.5152, 36.9566,
64.6030


 72.1052, 93.0416,
144.4944


 17.3442, 25.1739,
46.6899


 94.5453, 119.9301,
181.2374


 10.5770, 16.2067,
32.4380


 121.2160,
151.5562, 223.7343

 5.8484, 9.6705,
21.4287

 152.4828,
188.3040, 272.4035

 2.7929, 5.1810,
13.2434

 188.7109,
230.5581, 327.6637

 1.0452, 2.3539,
7.4637

230.2658,

 0.0000, 0.8020,

278.7029, 389.9333

3.6709

277.5127,
333.1226, 459.6309

■ 0.0000, 0.0000,
1.4466

■ 0.0000, 0.0000,
0.1777

■ 38.4555, 51.9392,
86.5957

■ 38.4555, 51.9392,
86.5957

■ 37.1898, 50.1910,
86.3260

■ 40.2670, 53.9919,
86.8974

■ 36.7318, 49.4707,
86.2111

■ 42.7123, 56.3916,
87.2317

■ 45.8685, 59.1791,
87.6034

■ 49.8004, 62.3880,
88.0156

■ 54.5653, 66.0479,
88.4709

■ 60.2152, 70.1857,
88.9718

■ 66.7977, 74.8261,
89.5205

■ 74.3569, 79.9919,
90.1192

■ 82.9342, 85.7046,
90.7698

Harmonies

Analogous

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



36.0238, 51.9392, 62.2122



38.4555, 51.9392, 86.5957



43.8593, 51.9392, 105.7561

Triad

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



38.4555, 51.9392, 86.5957



64.4264, 51.9392, 74.5876



47.4777, 51.9392, 23.9289

Complementary

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



38.4555, 51.9392, 86.5957



36.1673, 21.0118, 3.6644

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.



55.3168, 51.9392, 25.6159



38.4555, 51.9392, 86.5957



65.6540, 51.9392, 51.2478

Square

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



38.4555, 51.9392, 86.5957



58.9700, 51.9392, 97.6540



62.1681, 51.9392, 34.4123



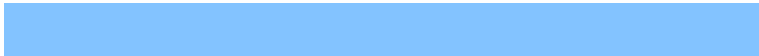
40.8670, 51.9392, 28.9860

Rectangle

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



38.4555, 51.9392, 86.5957



48.6901, 51.9392, 110.7424



62.1681, 51.9392, 34.4123



50.0494, 51.9392, 23.7551

Sweetspot

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



38.4572, 51.9411, 86.5970



72.0467, 84.1700, 107.0569



31.1194, 60.0580, 13.8847



14.8927, 17.6332, 22.8686



0.0000, 0.0000, 0.0000



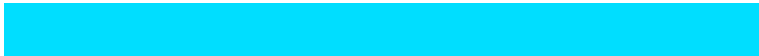
20.3446, 21.4041, 23.3091

Same Dimension

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



38.4572, 51.9411, 86.5970



44.1749, 59.4699, 103.7583



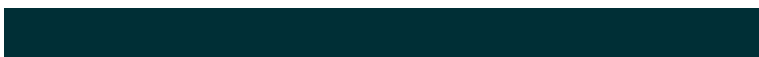
21.3474, 17.7215, 80.8937



15.3418, 16.7700, 19.3506



20.5094, 27.6659, 48.0020



1.6568, 2.2651, 3.7848

Inverse Universe

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



46.3430, 23.4113, 62.3998



54.4267, 26.5347, 71.3700



46.7703, 42.2177, 7.1988



15.6261, 15.2783, 18.5822



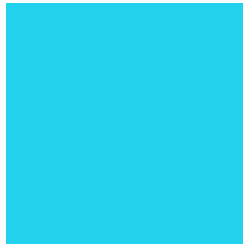
25.2075, 12.2857, 33.2237



2.0028, 0.9741, 2.7321

Previews

White Background



This preview shows how the XYZ color 38.4555, 51.9392, 86.5957 looks on a white background.

Color Contrast Check

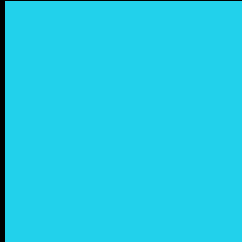
Large Text (above 18pt) WCAG AA × Fail

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 38.4555, 51.9392, 86.5957 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 38.4555, 51.9392, 86.5957

Background



This preview shows how black text looks on a background with the XYZ color 38.4555, 51.9392, 86.5957.



This preview shows how white text looks on a background with the XYZ color 38.4555, 51.9392,

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

38.4555, 51.9392, 86.5957

Protanopia

50.4299, 51.2010, 74.9350

Deuteranopia

52.3431, 51.2328, 89.5682



Tritanopia

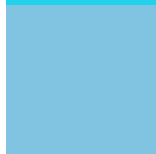
37.1803, 51.7777, 80.7075

Trichromacy



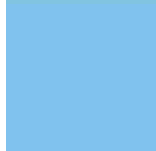
Original Color

38.4555, 51.9392, 86.5957



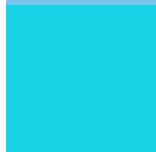
Protanomaly

42.3838, 49.5832, 78.5708



Deuteranomaly

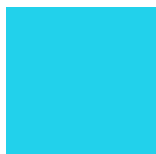
43.6265, 49.3458, 88.1143



Tritanomaly

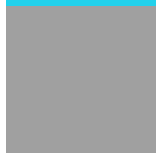
37.7062, 52.0005, 82.9127

Monochromacy



Original Color

38.4555, 51.9392, 86.5957



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.8295, 39.0061, 52.8650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4555, 51.9392, 86.5957 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(34, 209, 235)` looks like.

```
.text, #text, p{  
  color:rgb(34, 209, 235)  
}
```

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(34, 209, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 209, 235) }
```

Border

The CSS property to change the border of an element to XYZ 38.4555, 51.9392, 86.5957 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(34, 209, 235) }
```


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

```
.border{ border-color:rgb(34, 209, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 209, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 209, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 209, 235);  
box-shadow:4px 4px 4px 4px rgb(34, 209,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4555, 51.9392, 86.5957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 209, 235) }
```

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

```
.background{ background-color: rgb(34, 209,  
235) }
```

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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