

Converting Colors

XYZ(39.7789, 52.8295, 78.9063)

Have a look what the booklet for
XYZ(39.7789, 52.8295, 78.9063)
contains.

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Color

**XYZ(39.7347, 52.7766,
78.6137)**

Conversions

Conversions Part 1

Format	Color
Hex	52D1E0
RGB	82, 209, 224
RGB Percent	32%, 82%, 88%
CMY	0.6784, 0.1804, 0.1216
CMYK	0.63, 0.07, 0.00, 0.12
HSL	186°, 70%, 60%
HSV	186°, 63%, 88%
XYZ	39.7347, 52.7766, 78.6137
YIQ	172.7370, -80.5070, -22.2590

Conversions

Conversions Part 2

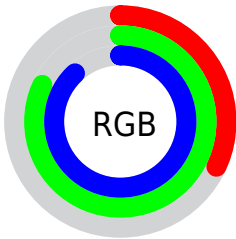
Format	Color
R _Y B	82, 149, 224
Decimal	5427680
CIE Lab	77.74, -30.20, -17.80
CIE LCh	78, 35.054, 210.510
Yxy	52.7766, 0.2322, 0.3084
Android (android.graphics.Color)	4283617760 (0xFF52D1E0)
YUV	172.7370, 25.2727, -79.5763
Hunter-Lab	72.6475, -29.5022, -13.3060

Details

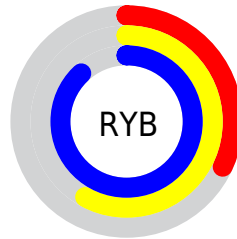
The XYZ color **39.7347, 52.7766, 78.6137** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **36.5395, 25.0074, 10.8853**, and the grayscale version is **39.4932, 41.5500, 45.2479**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **18.7170, 25.9758, 41.5635** is the 20% darker color. If you saturate the color by 10%, you get **37.5196, 50.7804, 78.3461**, and if you desaturate by 10%, it is **42.5972, 55.1216, 78.9164**.

Distribution



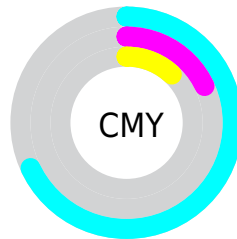
- Red (32%)
- Green (82%)
- Blue (88%)



- Red (32%)
- Yellow (58%)
- Blue (88%)



- Cyan (63%)
- Magenta (7%)
- Yellow (0%)
- Black (12%)



- Cyan (68%)
- Magenta (18%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7347, 52.7766, 78.6137 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 39.7347, 52.7766, 78.6137 by changing the saturation by 10% instead.

■ 39.7347, 52.7766,
78.6137

■ 39.7347, 52.7766,
78.6137

336.1577,
397.4274, 509.8316

■ 27.5150, 37.6245,
58.0588

■ 74.0463, 94.2756,
133.2086

■ 18.0990, 25.6914,
41.4409

■ 96.8689, 121.3912,
168.0857

■ 11.1212, 16.5929,
28.3415

■ 123.9565,
153.2634, 208.5740

■ 6.2163, 9.9447,
18.3419

■ 155.6746,
190.2766, 255.0920

■ 3.0190, 5.3623,
11.0238

192.3884,
232.8152, 308.0582

■ 1.1638, 2.4614,
5.9685

234.4632,

■ 0.0775, 0.8572,

281.2636, 367.8911

2.7574

282.2646,
336.0062, 435.0094

■ 0.0000, 0.0000,
0.9722

■ 0.0000, 0.0000,
0.0000

■ 39.7347, 52.7766,
78.6137

■ 39.7347, 52.7766,
78.6137

■ 37.5196, 50.7804,
78.3461

■ 42.5972, 55.1216,
78.9164

■ 35.8825, 49.0938,
78.1068


■ 46.1582, 57.8384,
79.2531


■ 34.7469, 47.6784,
77.8935


■ 50.4690, 60.9547,
79.6274


■ 34.1881, 46.8486,
77.7628


■ 55.5750, 64.4939,
80.0415

 61.5176, 68.4773,
80.4971

 68.3356, 72.9251,
80.9963

 76.0652, 77.8561,
81.5407

 82.4193, 82.0910,
82.0232

 83.0744, 83.4013,
82.2416

Harmonies

Analogous

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



38.2076, 52.7766, 57.7983



39.7347, 52.7766, 78.6137



44.0064, 52.7766, 96.5405

Triad

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



39.7347, 52.7766, 78.6137



62.4061, 52.7766, 77.9053



50.0464, 52.7766, 27.5993

Complementary

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



39.7347, 52.7766, 78.6137



36.5395, 25.0074, 10.8853

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.



56.8676, 52.7766, 30.6770



39.7347, 52.7766, 78.6137



64.3825, 52.7766, 57.1325

Square

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



39.7347, 52.7766, 78.6137



57.0868, 52.7766, 96.0708



62.2718, 52.7766, 40.4960



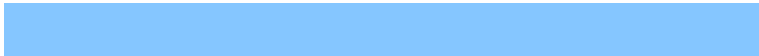
43.8222, 52.7766, 30.8965

Rectangle

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



39.7347, 52.7766, 78.6137



48.0408, 52.7766, 102.7933



62.2718, 52.7766, 40.4960



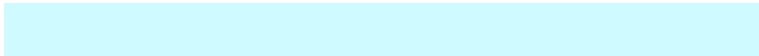
52.3460, 52.7766, 27.9134

Sweetspot

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



39.7363, 52.7786, 78.6150



77.8056, 88.7188, 107.6314



32.2573, 55.9546, 20.2166



16.1776, 18.6682, 23.0006



0.0000, 0.0000, 0.0000



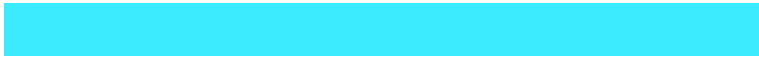
20.3446, 21.4041, 23.3091

Same Dimension

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



39.7363, 52.7786, 78.6150



49.5606, 67.3661, 104.9986



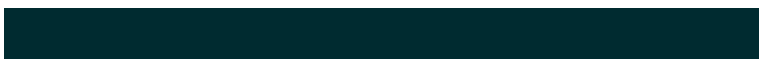
26.1396, 25.5850, 74.0827



13.9864, 15.3120, 17.6060



19.9504, 27.3703, 45.2799



1.4188, 1.9692, 3.1505

Inverse Universe

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



45.2678, 26.4869, 63.0503



57.8470, 30.5899, 81.0970



46.1203, 44.1691, 14.0789



14.2294, 13.9094, 16.9780



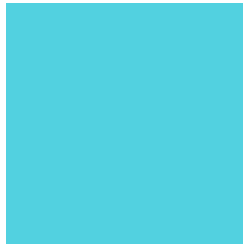
24.0102, 11.6711, 33.0492



1.6824, 0.8162, 2.3865

Previews

White Background



This preview shows how the XYZ color 39.7347, 52.7766, 78.6137 looks on a white background.

Color Contrast Check

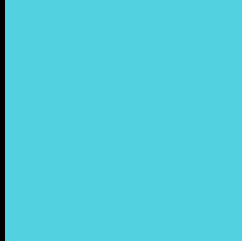
Large Text (above 18pt) WCAG AA × Fail

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 39.7347, 52.7766, 78.6137 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 39.7347, 52.7766, 78.6137

Background



This preview shows how black text looks on a background with the XYZ color 39.7347, 52.7766, 78.6137.



This preview shows how white text looks on a background with the XYZ color 39.7347, 52.7766,

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

39.7347, 52.7766, 78.6137

Protanopia

50.6945, 51.7897, 68.9525

Deuteranopia

52.9370, 51.7221, 81.3220



Tritanopia

40.0952, 52.9309, 80.0550

Trichromacy



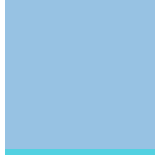
Original Color

39.7347, 52.7766, 78.6137



Protanomaly

44.5290, 50.8273, 72.4295



Deuteranomaly

45.9194, 50.7089, 80.0406



Tritanomaly

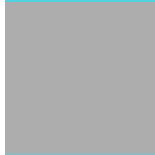
39.9584, 52.8762, 79.3343

Monochromacy



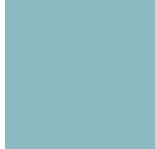
Original Color

39.7347, 52.7766, 78.6137



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.8886, 44.4990, 56.4614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7347, 52.7766, 78.6137 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(82, 209, 224)` looks like.

```
.text, #text, p{  
    color:rgb(82, 209, 224)  
}
```

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(82, 209, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 209, 224) }
```

Border

The CSS property to change the border of an element to XYZ 39.7347, 52.7766, 78.6137 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(82, 209, 224) }
```


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

```
.border{ border-color:rgb(82, 209, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 209, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 209, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 209, 224);  
box-shadow:4px 4px 4px 4px rgb(82, 209,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7347, 52.7766, 78.6137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 209, 224) }
```

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

```
.background{ background-color: rgb(82, 209,  
224) }
```

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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