

Converting Colors

XYZ(41.2509, 57.0066, 75.8471)

Have a look what the booklet for
XYZ(41.2509, 57.0066, 75.8471)
contains.

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Color

**XYZ(41.2509, 57.0066,
75.8471)**

Conversions

Conversions Part 1

Format	Color
Hex	51DADB
RGB	81, 218, 219
RGB Percent	32%, 85%, 86%
CMY	0.6823, 0.1451, 0.1412
CMYK	0.63, 0.00, 0.00, 0.14
HSL	180°, 66%, 59%
HSV	180°, 63%, 86%
XYZ	41.2509, 57.0066, 75.8471
YIQ	177.1510, -81.9730, -28.7330

Conversions

Conversions Part 2

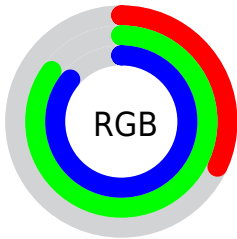
Format	Color
RYB	81, 150, 219
Decimal	5364443
CIELab	80.18, -36.02, -11.46
CIELCh	80, 37.802, 197.646
Yxy	57.0066, 0.2369, 0.3274
Android (android.graphics.Color)	4283554523 (0xFF51DADB)
YUV	177.1510, 20.6316, -84.3244
Hunter-Lab	75.5027, -34.6063, -6.7085

Details

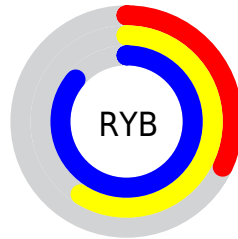
The XYZ color **41.2509, 57.0066, 75.8471** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **33.7171, 21.6899, 10.1955**, and the grayscale version is **41.7969, 43.9736, 47.8873**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **19.6212, 28.5210, 39.5929** is the 20% darker color. If you saturate the color by 10%, you get **39.6276, 56.1101, 75.7606**, and if you desaturate by 10%, it is **43.4827, 58.2194, 75.9646**.

Distribution



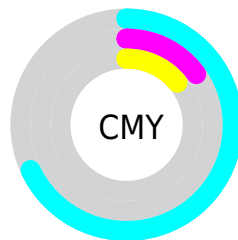
- Red (32%)
- Green (85%)
- Blue (86%)



- Red (32%)
- Yellow (59%)
- Blue (86%)



- Cyan (63%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)



- Cyan (68%)
- Magenta (15%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2509, 57.0066, 75.8471 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 41.2509, 57.0066, 75.8471 by changing the saturation by 10% instead.

41.2509, 57.0066,
75.8471

41.2509, 57.0066,
75.8471

342.4129,
413.4740, 500.1570

28.7037, 41.0105,
55.8012

76.3369, 100.4748,
129.2689

19.0000, 28.3273,
39.6407

99.6065, 128.7158,
163.4818

11.7743, 18.5725,
26.9468

127.1809,
161.8071, 203.2543

6.6613, 11.3618,
17.3012

159.4255,
200.1333, 249.0047

3.2956, 6.3108,
10.2853

196.7056,
244.0787, 301.1516

1.3119, 3.0349,
5.4804

239.3866,

0.1921, 1.1500,

294.0277, 360.1136

2.4682

287.8339,
350.3647, 426.3092

■ 0.0000, 0.0203,
0.8232

■ 0.0000, 0.0000,
0.0000

■ 41.2509, 57.0066,
75.8471

■ 41.2509, 57.0066,
75.8471

■ 39.6276, 56.1101,
75.7606

■ 43.4827, 58.2194,
75.9646

■ 38.5470, 55.4921,
75.6983

■ 46.3703, 59.7691,
76.1115

■ 37.9376, 55.1171,
75.6581

■ 49.9623, 61.6820,
76.2914

■ 37.7070, 54.9557,
75.6391

■ 54.3015, 63.9801,
76.5063

■ 59.4269, 66.6836,
76.7580

■ 65.3750, 69.8113,
77.0482

■ 72.1802, 73.3808,
77.3785

■ 79.4286, 77.1790,
77.7296

■ 79.4700, 77.2618,
77.7434

Harmonies

Analogous

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



40.9563, 57.0066, 53.4246



41.2509, 57.0066, 75.8471



44.7987, 57.0066, 99.0192

Triad

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



41.2509, 57.0066, 75.8471



65.8904, 57.0066, 95.2839



57.4164, 57.0066, 29.1541

Complementary

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



41.2509, 57.0066, 75.8471



33.7171, 21.6899, 10.1955

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.



64.7942, 57.0066, 35.6899



41.2509, 57.0066, 75.8471



69.9889, 57.0066, 71.6022

Square

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



41.2509, 57.0066, 75.8471



58.8012, 57.0066, 111.9429



69.5697, 57.0066, 50.0721



49.8133, 57.0066, 29.7713

Rectangle

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



41.2509, 57.0066, 75.8471



48.7393, 57.0066, 110.1852



69.5697, 57.0066, 50.0721



60.0177, 57.0066, 30.5081

Sweetspot

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



41.2526, 57.0088, 75.8485



79.3049, 91.7173, 108.1311



30.2113, 53.0077, 16.4252



16.5460, 19.4050, 23.1234



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.



41.2526, 57.0088, 75.8485



55.3012, 78.8473, 106.9121



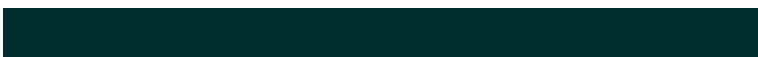
27.0874, 28.6783, 71.1267



13.4364, 14.8126, 16.8031



22.3619, 32.5932, 44.8509



1.4514, 2.1169, 2.9065

Inverse Universe

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



44.8122, 26.0084, 68.9902



60.7445, 31.7489, 96.3554



41.6064, 37.4686, 12.8253



13.6101, 13.2732, 16.4742



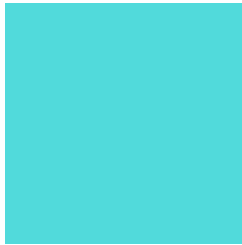
24.7826, 11.9141, 40.0966



1.6069, 0.7724, 2.6047

Previews

White Background



This preview shows how the XYZ color 41.2509, 57.0066, 75.8471 looks on a white background.

Color Contrast Check

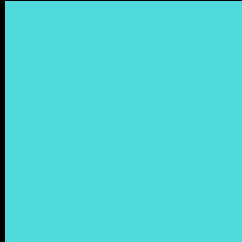
Large Text (above 18pt) WCAG AA × Fail

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 41.2509, 57.0066, 75.8471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

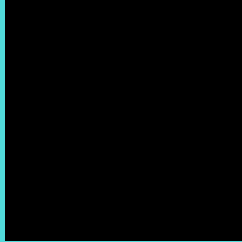
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

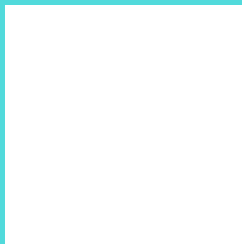
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2509, 57.0066, 75.8471

Background



This preview shows how black text looks on a background with the XYZ color 41.2509, 57.0066, 75.8471.



This preview shows how white text looks on a background with the XYZ color 41.2509, 57.0066,

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

41.2509, 57.0066, 75.8471

Protanopia

54.1692, 55.9419, 66.3354

Deuteranopia

57.3421, 55.9729, 79.0158



Tritanopia

43.2883, 57.0696, 85.8248

Trichromacy



Original Color

41.2509, 57.0066, 75.8471



Protanomaly

46.8683, 54.8574, 69.7463



Deuteranomaly

48.5040, 54.4719, 77.7697



Tritanomaly

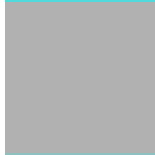
42.5628, 57.1584, 82.1882

Monochromacy



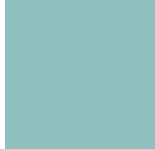
Original Color

41.2509, 57.0066, 75.8471



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

39.5194, 47.2558, 56.9076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2509, 57.0066, 75.8471 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(81, 218, 219)` looks like.

```
.text, #text, p{  
    color:rgb(81, 218, 219)  
}
```

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(81, 218, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 218, 219) }
```

Border

The CSS property to change the border of an element to XYZ 41.2509, 57.0066, 75.8471 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(81, 218, 219) }
```


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

```
.border{ border-color:rgb(81, 218, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 218, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 218, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 218, 219);  
box-shadow:4px 4px 4px 4px rgb(81, 218,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2509, 57.0066, 75.8471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 218, 219) }
```

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

```
.background{ background-color: rgb(81, 218,  
219) }
```

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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