

Converting Colors

XYZ(40.4697, 51.0793, 88.5567)

Have a look what the booklet for
XYZ(40.4697, 51.0793, 88.5567)
contains.

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Color

**XYZ(40.5052, 51.1526,
88.6275)**

Conversions

Conversions Part 1

Format	Color
Hex	52CCEE
RGB	82, 204, 238
RGB Percent	32%, 80%, 93%
CMY	0.6784, 0.2000, 0.0667
CMYK	0.66, 0.14, 0.00, 0.07
HSL	193°, 82%, 63%
HSV	193°, 66%, 93%
XYZ	40.5052, 51.1526, 88.6275
YIQ	171.3980, -83.6260, -15.2900

Conversions

Conversions Part 2

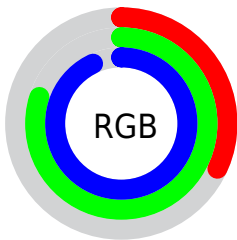
Format	Color
R _Y B	82, 150, 238
Decimal	5426414
CIE Lab	76.77, -23.61, -26.79
CIE LCh	77, 35.708, 228.606
Yxy	51.1526, 0.2247, 0.2837
Android (android.graphics.Color)	4283616494 (0xFF52CCEE)
YUV	171.3980, 32.8348, -78.4020
Hunter-Lab	71.5210, -24.0702, -23.4063

Details

The XYZ color **40.5052, 51.1526, 88.6275** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **43.0300, 31.2794, 11.7542**, and the grayscale version is **38.7809, 40.8005, 44.4318**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **19.3498, 25.1901, 48.0983** is the 20% darker color. If you saturate the color by 10%, you get **37.5710, 47.8410, 88.1439**, and if you desaturate by 10%, it is **44.2012, 54.9199, 89.1608**.

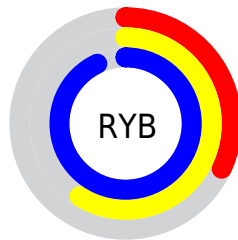
Distribution



Red (32%)

Green (80%)

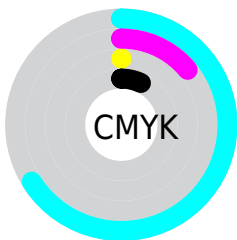
Blue (93%)



Red (32%)

Yellow (59%)

Blue (93%)

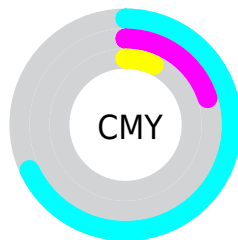


Cyan (66%)

Magenta (14%)

Yellow (0%)

Black (7%)



Cyan (68%)

Magenta (20%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5052, 51.1526, 88.6275 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 40.5052, 51.1526, 88.6275 by changing the saturation by 10% instead.

40.5052, 51.1526,
88.6275

40.5052, 51.1526,
88.6275

339.3464,
391.1564, 544.0104

28.1186, 36.3301,
66.2756

75.2117, 91.8803,
147.3493

18.5560, 24.6892,
48.0383

98.2623, 118.5543,
184.5562

11.4520, 15.8457,
33.4970

125.5982,
149.9475, 227.5519

6.4412, 9.4150,
22.2332

157.5850,
186.4444, 276.7548

3.1584, 5.0129,
13.8284

194.5878,
228.4293, 332.5836

1.2381, 2.2548,
7.8640

236.9720,

0.1361, 0.7496,

276.2867, 395.4568

3.9215

285.1031,
330.4009, 465.7929

■ 0.0000, 0.0000,
1.5824

■ 0.0000, 0.0000,
0.2782

■ 40.5052, 51.1526,
88.6275

■ 40.5052, 51.1526,
88.6275

■ 37.5710, 47.8410,
88.1439

■ 44.2012, 54.9199,
89.1608

■ 35.3152, 44.9385,
87.7026

■ 48.7212, 59.1725,
89.7434

■ 33.6433, 42.3968,
87.3001

■ 54.1263, 63.9435,
90.3795

■ 33.0188, 41.3452,
87.1300

■ 60.4704, 69.2613,
91.0715

67.8029, 75.1518,
91.8220

76.1696, 81.6393,
92.6333

85.6136, 88.7464,
93.5073

89.4769, 93.0414,
94.1327

91.0726, 96.2328,
94.6646

Harmonies

Analogous

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



37.2903, 51.1526, 68.4658



40.5052, 51.1526, 88.6275



46.0911, 51.1526, 100.8491

Triad

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



40.5052, 51.1526, 88.6275



62.5373, 51.1526, 63.3953



44.5806, 51.1526, 27.2965

Complementary

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



40.5052, 51.1526, 88.6275



43.0300, 31.2794, 11.7542

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.



51.2377, 51.1526, 26.5486



40.5052, 51.1526, 88.6275



62.0371, 51.1526, 44.6226

Square

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



40.5052, 51.1526, 88.6275



59.0590, 51.1526, 84.1817



57.7499, 51.1526, 32.1383



39.4881, 51.1526, 34.4932

Rectangle

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



40.5052, 51.1526, 88.6275



50.5942, 51.1526, 101.3180



57.7499, 51.1526, 32.1383



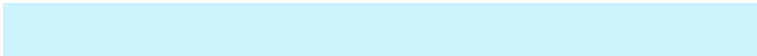
46.6959, 51.1526, 26.3567

Sweetspot

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



40.5069, 51.1545, 88.6287



75.2678, 84.6893, 106.9874



37.1967, 64.2006, 26.8960



15.5994, 17.7149, 22.8471



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.



40.5069, 51.1545, 88.6287



42.8649, 54.6270, 102.8926



26.4007, 22.9422, 83.9267



15.9380, 17.3102, 20.2228



18.5202, 23.2647, 48.6423



1.6122, 2.0784, 4.0704

Inverse Universe

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



49.1778, 28.5732, 60.0517



54.3080, 28.5645, 64.3409



56.0318, 57.2830, 16.0881



16.2982, 15.9690, 19.1264



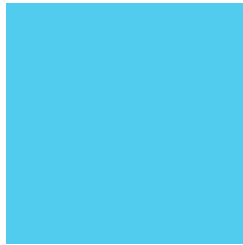
24.6738, 12.1419, 27.2624



2.0887, 1.0245, 2.4580

Previews

White Background



This preview shows how the XYZ color 40.5052, 51.1526, 88.6275 looks on a white background.

Color Contrast Check

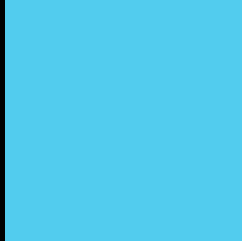
Large Text (above 18pt) WCAG AA × Fail

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 40.5052, 51.1526, 88.6275 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 40.5052, 51.1526, 88.6275

Background



This preview shows how black text looks on a background with the XYZ color 40.5052, 51.1526, 88.6275.



This preview shows how white text looks on a background with the XYZ color 40.5052, 51.1526,

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

40.5052, 51.1526, 88.6275

Protanopia

50.1088, 50.3121, 79.0217

Deuteranopia

51.7361, 50.5737, 91.0393



Tritanopia

38.2146, 50.9262, 77.6276

Trichromacy



Original Color

40.5052, 51.1526, 88.6275

Protanomaly

44.8545, 49.7824, 82.1078

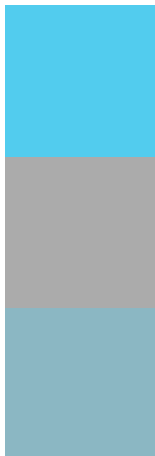
Deuteranomaly

46.0545, 49.8898, 90.4214

Tritanomaly

38.8955, 50.8419, 81.1622

Monochromacy



Original Color

40.5052, 51.1526, 88.6275

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.4313, 43.2961, 58.0139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5052, 51.1526, 88.6275 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, 204, 238)` looks like.

```
.text, #text, p{  
    color:rgb(82, 204, 238)  
}
```

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, 204, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 204, 238) }
```

Border

The CSS property to change the border of an element to XYZ 40.5052, 51.1526, 88.6275 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, 204, 238) }
```


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

```
.border{ border-color:rgb(82, 204, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 204, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 204, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 204, 238);  
box-shadow:4px 4px 4px 4px rgb(82, 204,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5052, 51.1526, 88.6275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 204, 238) }
```

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

```
.background{ background-color: rgb(82, 204,  
238) }
```

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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