

Converting Colors

XYZ(40.4534, 51.7383, 89.7025)

Have a look what the booklet for
XYZ(40.4534, 51.7383, 89.7025)
contains.

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Color

**XYZ(40.4753, 51.8305,
89.5324)**

Conversions

Conversions Part 1

Format	Color
Hex	4ACEEF
RGB	74, 206, 239
RGB Percent	29%, 81%, 94%
CMY	0.7098, 0.1921, 0.0627
CMYK	0.69, 0.14, 0.00, 0.06
HSL	192°, 84%, 61%
HSV	192°, 69%, 94%
XYZ	40.4753, 51.8305, 89.5324
YIQ	170.2940, -89.2650, -17.7210

Conversions

Conversions Part 2

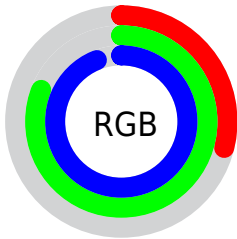
Format	Color
R_{YB}	74, 147, 239
Decimal	4902639
CIE _{Lab}	77.18, -25.46, -26.72
CIE _{LCh}	77, 36.907, 226.378
Yxy	51.8305, 0.2226, 0.2850
Android (android.graphics.Color)	4283092719 (0xFF4ACEEF)
YUV	170.2940, 33.8721, -84.4498
Hunter-Lab	71.9934, -25.6342, -23.3388

Details

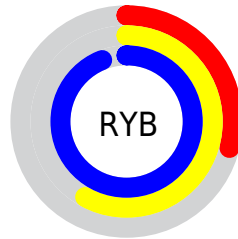
The XYZ color **40.4753, 51.8305, 89.5324** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **42.0919, 29.3625, 9.9292**, and the grayscale version is **38.2253, 40.2160, 43.7952**.

A 20% lighter version of the original color is **64.7945, 84.4027, 107.4841**, and **19.6139, 25.5521, 48.6980** is the 20% darker color. If you saturate the color by 10%, you get **37.8397, 48.7903, 89.0855**, and if you desaturate by 10%, it is **43.8478, 55.3045, 90.0262**.

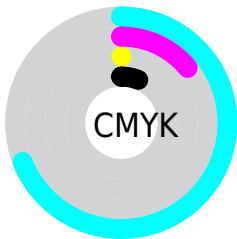
Distribution



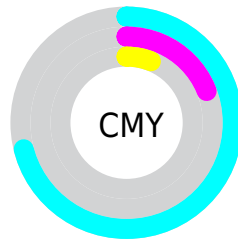
- Red (29%)
- Green (81%)
- Blue (94%)



- Red (29%)
- Yellow (58%)
- Blue (94%)



- Cyan (69%)
- Magenta (14%)
- Yellow (0%)
- Black (6%)



- Cyan (71%)
- Magenta (19%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4753, 51.8305, 89.5324 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 40.4753, 51.8305, 89.5324 by changing the saturation by 10% instead.

40.4753, 51.8305,
89.5324

40.4753, 51.8305,
89.5324

339.2230,
393.7819, 547.0394

28.0952, 36.8700,
67.0214

75.1665, 92.8812,
148.6185

18.5382, 25.1068,
48.6403

98.2083, 119.7402,
186.0307

11.4391, 16.1567,
33.9706

125.5347,
151.3341, 229.2470

6.4325, 9.6351,
22.5939

157.5110,
188.0474, 278.6860

3.1529, 5.1577,
14.0914

194.5026,
230.2645, 334.7662

1.2351, 2.3401,
8.0448

236.8750,

0.1338, 0.7948,

278.3696, 397.9061

4.0354

284.9933,
332.7473, 468.5243

■ 0.0000, 0.0000,
1.6448

■ 0.0000, 0.0000,
0.3225

■ 40.4753, 51.8305,
89.5324

■ 40.4753, 51.8305,
89.5324

■ 37.8397, 48.7903,
89.0855

■ 43.8478, 55.3045,
90.0262

■ 35.8516, 46.1345,
88.6776

■ 48.0234, 59.2439,
90.5665

■ 34.3848, 43.7984,
88.3040

■ 53.0660, 63.6832,
91.1576

■ 34.2549, 43.5815,
88.2690

■ 59.0320, 68.6517,
91.8022

65.9726, 74.1764,
92.5027

73.9352, 80.2821,
93.2616

82.9641, 86.9920,
94.0808

89.2441, 92.3398,
94.7821

90.7030, 95.2577,
95.2684

Harmonies

Analogous

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



37.3485, 51.8305, 68.1272



40.4753, 51.8305, 89.5324



46.1335, 51.8305, 103.3028

Triad

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



40.4753, 51.8305, 89.5324



63.6760, 51.8305, 66.0998



45.5324, 51.8305, 26.7389

Complementary

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



40.4753, 51.8305, 89.5324



42.0919, 29.3625, 9.9292

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.



52.5317, 51.8305, 26.4458



40.4753, 51.8305, 89.5324



63.4757, 51.8305, 46.1628

Square

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



40.4753, 51.8305, 89.5324



59.7630, 51.8305, 87.7457



59.2394, 51.8305, 32.7016



40.0716, 51.8305, 33.6293

Rectangle

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



40.4753, 51.8305, 89.5324



50.7873, 51.8305, 104.5852



59.2394, 51.8305, 32.7016



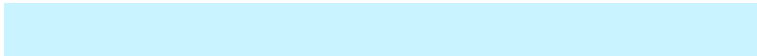
47.7701, 51.8305, 25.9342

Sweetspot

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



40.4770, 51.8324, 89.5337



74.6966, 84.5760, 106.9956



36.2035, 64.1947, 23.6482



15.5005, 17.7170, 22.8527



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.



40.4770, 51.8324, 89.5337



42.7724, 55.1639, 103.0011



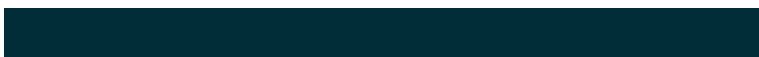
25.8987, 22.6758, 84.6742



15.9632, 17.3605, 20.2312



19.0249, 24.2741, 48.8105



1.6501, 2.1541, 4.0830

Inverse Universe

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



49.1874, 27.7061, 61.1498



54.0851, 27.8007, 65.2470



54.5515, 54.2818, 14.0825



16.3109, 15.9741, 19.1932



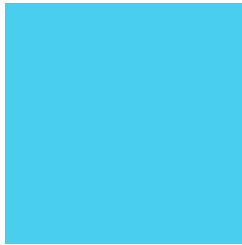
24.9285, 12.2438, 28.6039



2.1078, 1.0322, 2.5587

Previews

White Background



This preview shows how the XYZ color 40.4753, 51.8305, 89.5324 looks on a white background.

Color Contrast Check

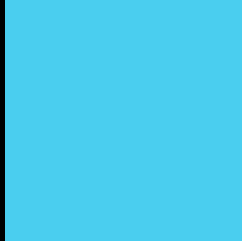
Large Text (above 18pt) WCAG AA × Fail

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 40.4753, 51.8305, 89.5324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

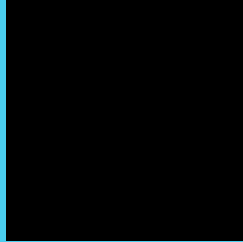
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4753, 51.8305, 89.5324

Background



This preview shows how black text looks on a background with the XYZ color 40.4753, 51.8305, 89.5324.

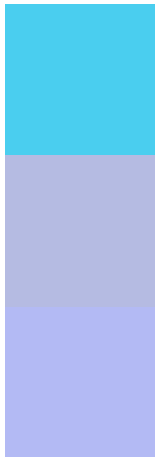


This preview shows how white text looks on a background with the XYZ color 40.4753, 51.8305,

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

40.4753, 51.8305, 89.5324

Protanopia

50.5538, 50.8554, 79.1031

Deuteranopia

52.4784, 51.2332, 92.7110



Tritanopia

38.3265, 51.6718, 79.1878

Trichromacy



Original Color

40.4753, 51.8305, 89.5324

Protanomaly

44.8709, 50.1039, 82.9074

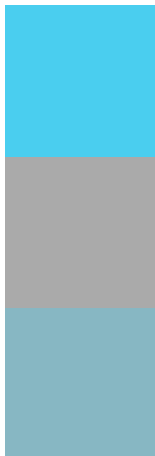
Deuteranomaly

46.0815, 50.2135, 91.2678

Tritanomaly

38.9796, 51.5678, 82.7620

Monochromacy



Original Color

40.4753, 51.8305, 89.5324

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.7755, 42.9580, 57.9832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4753, 51.8305, 89.5324 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(74, 206, 239)` looks like.

```
.text, #text, p{  
    color:rgb(74, 206, 239)  
}
```

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(74, 206, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 206, 239) }
```

Border

The CSS property to change the border of an element to XYZ 40.4753, 51.8305, 89.5324 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(74, 206, 239) }
```


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

```
.border{ border-color:rgb(74, 206, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 206, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 206, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 206, 239);  
box-shadow:4px 4px 4px 4px rgb(74, 206,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4753, 51.8305, 89.5324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 206, 239) }
```

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

```
.background{ background-color: rgb(74, 206,  
239) }
```

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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