

Converting Colors

XYZ(40.3464, 51.6963, 90.9333)

Have a look what the booklet for
XYZ(40.3464, 51.6963, 90.9333)
contains.

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Color

**XYZ(40.4027, 51.7587,
91.0801)**

Conversions

Conversions Part 1

Format	Color
Hex	45CEF1
RGB	69, 206, 241
RGB Percent	27%, 81%, 95%
CMY	0.7294, 0.1921, 0.0549
CMYK	0.71, 0.15, 0.00, 0.05
HSL	192°, 86%, 61%
HSV	192°, 71%, 95%
XYZ	40.4027, 51.7587, 91.0801
YIQ	169.0270, -92.8870, -18.1590

Conversions

Conversions Part 2

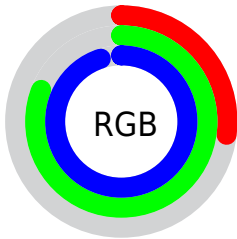
Format	Color
R _{YB}	69, 145, 241
Decimal	4574961
CIE _{Lab}	77.14, -25.50, -27.87
CIE _{LCh}	77, 37.773, 227.535
Y _{xy}	51.7587, 0.2205, 0.2825
Android (android.graphics.Color)	4282765041 (0xFF45CEF1)
Y _{UV}	169.0270, 35.4827, -87.7237
Hunter-Lab	71.9435, -25.6575, -24.7004

Details

The XYZ color **40.4027, 51.7587, 91.0801** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **42.3018, 29.0333, 9.0064**, and the grayscale version is **37.5906, 39.5482, 43.0680**.

A 20% lighter version of the original color is **64.2912, 84.1433, 107.4605**, and **19.8236, 25.6360, 49.8024** is the 20% darker color. If you saturate the color by 10%, you get **37.8653, 48.7262, 90.6295**, and if you desaturate by 10%, it is **43.6740, 55.2263, 91.5780**.

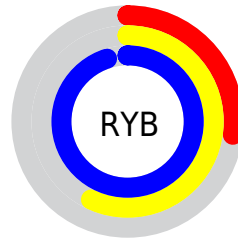
Distribution



Red (27%)

Green (81%)

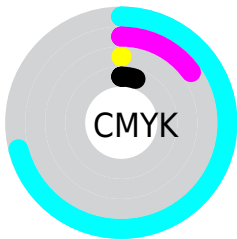
Blue (95%)



Red (27%)

Yellow (57%)

Blue (95%)

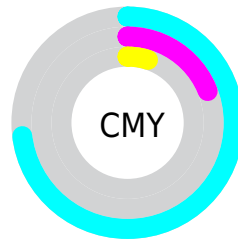


Cyan (71%)

Magenta (15%)

Yellow (0%)

Black (5%)



Cyan (73%)

Magenta (19%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4027, 51.7587, 91.0801 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 40.4027, 51.7587, 91.0801 by changing the saturation by 10% instead.

40.4027, 51.7587,
91.0801

40.4027, 51.7587,
91.0801

338.9234,
393.5043, 552.1986

28.0383, 36.8128,
68.2981

75.0568, 92.7753,
150.7864

18.4951, 25.0626,
49.6721

98.0772, 119.6147,
188.5477

11.4079, 16.1237,
34.7835

125.3802,
151.1875, 232.1393

6.4112, 9.6117,
23.2140

157.3313,
187.8779, 281.9795

3.1397, 5.1423,
14.5448

194.2958,
230.0704, 338.4871

1.2281, 2.3310,
8.3575

236.6391,

0.1284, 0.7900,

278.1494, 402.0804

4.2335

284.7265,
332.4992, 473.1781

■ 0.0000, 0.0000,
1.7543

■ 0.0000, 0.0000,
0.3975

■ 40.4027, 51.7587,
91.0801

■ 40.4027, 51.7587,
91.0801

■ 37.8653, 48.7262,
90.6295

■ 43.6740, 55.2263,
91.5780


■ 35.9665, 46.0760,
90.2180


■ 47.7494, 59.1625,
92.1230


■ 34.7182, 44.0326,
89.8894


■ 52.6962, 63.6037,
92.7195


■ 58.5731, 68.5805,
93.3703

 65.4335, 74.1208,
94.0781

 73.3266, 80.2506,
94.8453

 82.2984, 86.9940,
95.6740

 89.8412, 93.0587,
96.4471

 91.3466, 96.0693,
96.9489

Harmonies

Analogous

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



37.1063, 51.7587, 69.2082



40.4027, 51.7587, 91.0801



46.2583, 51.7587, 104.7914

Triad

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



40.4027, 51.7587, 91.0801



64.0383, 51.7587, 65.3836



45.1286, 51.7587, 26.3042

Complementary

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



40.4027, 51.7587, 91.0801



42.3018, 29.0333, 9.0064

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.



52.2536, 51.7587, 25.7601



40.4027, 51.7587, 91.0801



63.6599, 51.7587, 45.2031

Square

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



40.4027, 51.7587, 91.0801



60.1666, 51.7587, 87.6966



59.1786, 51.7587, 31.8147



39.6456, 51.7587, 33.5446

Rectangle

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



40.4027, 51.7587, 91.0801



51.0387, 51.7587, 105.6922



59.1786, 51.7587, 31.8147



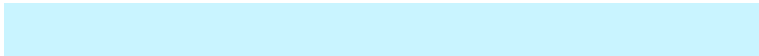
47.3964, 51.7587, 25.4092

Sweetspot

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



40.4044, 51.7606, 91.0814



74.6403, 84.4634, 106.9768



36.3795, 65.1645, 23.6004



15.4870, 17.6900, 22.8482



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.



40.4044, 51.7606, 91.0814



41.9063, 53.8681, 102.7966



25.1222, 21.1962, 85.9873



15.9583, 17.3507, 20.2295



18.9256, 24.0755, 48.7774



1.6426, 2.1393, 4.0806

Inverse Universe

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



49.5458, 27.4149, 61.0746



53.5414, 27.1755, 63.6412



55.6352, 55.7001, 13.4509



16.3084, 15.9731, 19.1802



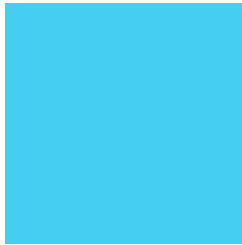
24.8784, 12.2238, 28.3400



2.1041, 1.0307, 2.5389

Previews

White Background



This preview shows how the XYZ color 40.4027, 51.7587, 91.0801 looks on a white background.

Color Contrast Check

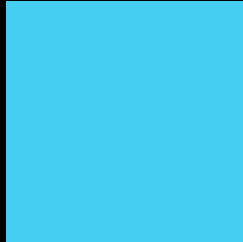
Large Text (above 18pt) WCAG AA × Fail

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 40.4027, 51.7587, 91.0801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

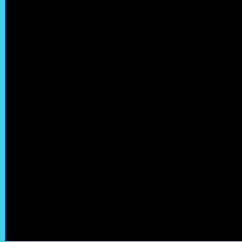
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4027, 51.7587, 91.0801

Background



This preview shows how black text looks on a background with the XYZ color 40.4027, 51.7587, 91.0801.

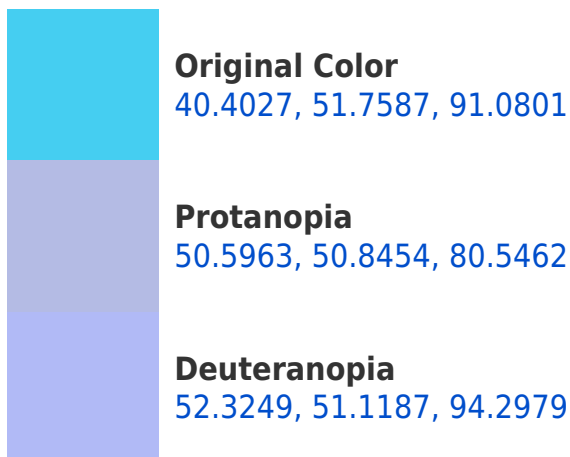


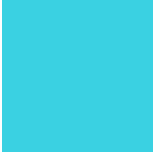
This preview shows how white text looks on a background with the XYZ color 40.4027, 51.7587,

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





Tritanopia

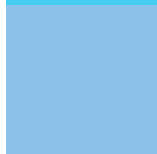
38.2729, 51.9915, 79.9697

Trichromacy



Original Color

40.4027, 51.7587, 91.0801



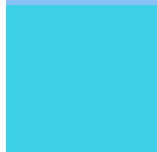
Protanomaly

44.8150, 50.0422, 84.3879



Deuteranomaly

45.8803, 50.0749, 92.8352



Tritanomaly

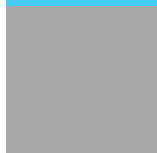
38.9663, 51.9054, 83.5663

Monochromacy



Original Color

40.4027, 51.7587, 91.0801



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

36.2511, 42.3826, 57.8998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4027, 51.7587, 91.0801 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(69, 206, 241)` looks like.

```
.text, #text, p{  
    color:rgb(69, 206, 241)  
}
```

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(69, 206, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 206, 241) }
```

Border

The CSS property to change the border of an element to XYZ 40.4027, 51.7587, 91.0801 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(69, 206, 241) }
```


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

```
.border{ border-color:rgb(69, 206, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 206, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 206, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 206, 241);  
box-shadow:4px 4px 4px 4px rgb(69, 206,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4027, 51.7587, 91.0801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 206, 241) }
```

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

```
.background{ background-color: rgb(69, 206,  
241) }
```

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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