

Converting Colors

XYZ(40.6038, 51.4155, 87.7704)

Have a look what the booklet for
XYZ(40.6038, 51.4155, 87.7704)
contains.

XYZ(40.7735, 51.6619, 87.9435)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.7735, 51.6619,
87.9435)**

Conversions

Conversions Part 1

Format	Color
Hex	54CDED
RGB	84, 205, 237
RGB Percent	33%, 80%, 93%
CMY	0.6706, 0.1961, 0.0706
CMYK	0.65, 0.14, 0.00, 0.07
HSL	193°, 81%, 63%
HSV	193°, 65%, 93%
XYZ	40.7735, 51.6619, 87.9435
YIQ	172.4690, -82.3880, -15.7000

Conversions

Conversions Part 2

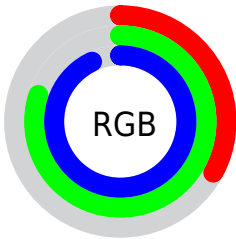
Format	Color
RYB	84, 152, 237
Decimal	5557741
CIELab	77.08, -24.11, -25.78
CIELCh	77, 35.292, 226.919
Yxy	51.6619, 0.2260, 0.2864
Android (android.graphics.Color)	4283747821 (0xFF54CDED)
YUV	172.4690, 31.8138, -77.5873
Hunter-Lab	71.8762, -24.5250, -22.2304

Details

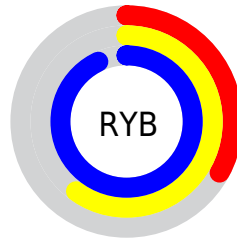
The XYZ color **40.7735, 51.6619, 87.9435** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **42.7721, 31.1372, 12.1449**, and the grayscale version is **39.3258, 41.3738, 45.0560**.

A 20% lighter version of the original color is **66.0227, 85.0359, 107.5415**, and **19.4071, 25.4694, 47.6093** is the 20% darker color. If you saturate the color by 10%, you get **37.8334, 48.4147, 87.4727**, and if you desaturate by 10%, it is **44.4718, 55.3578, 88.4629**.

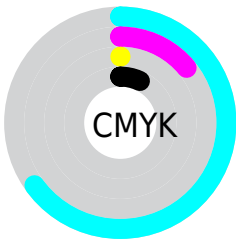
Distribution



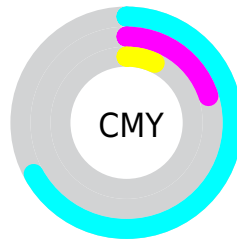
- Red (33%)
- Green (80%)
- Blue (93%)



- Red (33%)
- Yellow (60%)
- Blue (93%)



- Cyan (65%)
- Magenta (14%)
- Yellow (0%)
- Black (7%)



- Cyan (67%)
- Magenta (20%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7735, 51.6619, 87.9435 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 40.7735, 51.6619, 87.9435 by changing the saturation by 10% instead.

40.7735, 51.6619,
87.9435

40.7735, 51.6619,
87.9435

340.4519,
393.1300, 541.7147

28.3290, 36.7357,
65.7122

75.6168, 92.6324,
146.3889

18.7156, 25.0029,
47.5838

98.7464, 119.4455,
183.4402

11.5677, 16.0792,
33.1398

126.1684,
150.9896, 226.2685

6.5201, 9.5802,
21.9615

158.2481,
187.6492, 275.2923

3.2075, 5.1215,
13.6306

195.3510,
229.8086, 330.9304

1.2644, 2.3187,
7.7284

237.8423,

0.1563, 0.7836,

277.8523, 393.6011

3.8364

286.0875,
332.1646, 463.7230

■ 0.0000, 0.0000,
1.5360

■ 0.0000, 0.0000,
0.2445

■ 40.7735, 51.6619,
87.9435

■ 40.7735, 51.6619,
87.9435

■ 37.8334, 48.4147,
87.4727

■ 44.4718, 55.3578,
88.4629

■ 35.5703, 45.5709,
87.0430

■ 48.9889, 59.5309,
89.0304

■ 33.8931, 43.0837,
86.6514

■ 54.3847, 64.2138,
89.6499

■ 33.1486, 41.8391,
86.4504

■ 60.7118, 69.4342,
90.3240

68.0189, 75.2174,
91.0552

76.3509, 81.5872,
91.8455

85.7500, 88.5659,
92.6971

89.0752, 92.4724,
93.2759

90.5922, 95.5064,
93.7816

Harmonies

Analogous

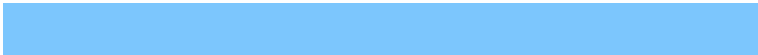
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.7200, 51.6619, 67.7572



40.7735, 51.6619, 87.9435



46.2284, 51.6619, 100.6951

Triad

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



40.7735, 51.6619, 87.9435



62.8373, 51.6619, 65.0750



45.4277, 51.6619, 27.6925

Complementary

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



40.7735, 51.6619, 87.9435



42.7721, 31.1372, 12.1449

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.



52.0946, 51.6619, 27.2933



40.7735, 51.6619, 87.9435



62.5729, 51.6619, 46.1273

Square

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



40.7735, 51.6619, 87.9435



59.1887, 51.6619, 85.5968



58.4962, 51.6619, 33.2661



40.2337, 51.6619, 34.5200

Rectangle

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



40.7735, 51.6619, 87.9435



50.6808, 51.6619, 101.7197



58.4962, 51.6619, 33.2661



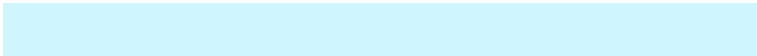
47.5585, 51.6619, 26.8678

Sweetspot

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



40.7752, 51.6638, 87.9448



76.2687, 85.6449, 107.1191



37.0133, 63.6831, 26.4425



15.8014, 17.9158, 22.8752



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.



40.7752, 51.6638, 87.9448



43.8628, 56.1988, 103.1434



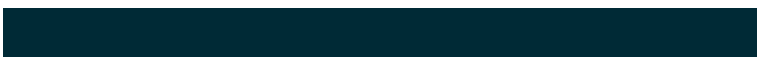
26.9133, 23.9400, 83.3241



15.2347, 16.5558, 19.3149



18.1957, 23.0384, 47.2308



1.4958, 1.9430, 3.7311

Inverse Universe

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



49.1162, 28.7546, 60.7210



54.9152, 29.2037, 66.3166



55.1794, 55.9516, 16.2806



15.5720, 15.2567, 18.2975



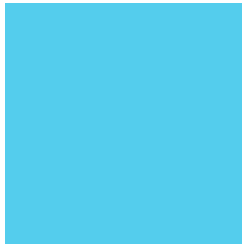
24.0396, 11.8185, 27.0738



1.9215, 0.9416, 2.3040

Previews

White Background



This preview shows how the XYZ color 40.7735, 51.6619, 87.9435 looks on a white background.

Color Contrast Check

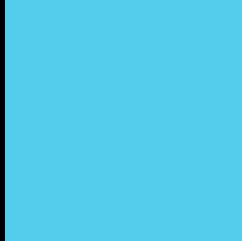
Large Text (above 18pt) WCAG AA × Fail

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 40.7735, 51.6619, 87.9435 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 40.7735, 51.6619, 87.9435

Background



This preview shows how black text looks on a background with the XYZ color 40.7735, 51.6619, 87.9435.



This preview shows how white text looks on a background with the XYZ color 40.7735, 51.6619,

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

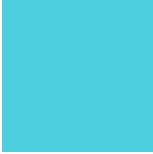
40.7735, 51.6619, 87.9435

Protanopia

50.4170, 50.8006, 78.3824

Deuteranopia

52.2585, 51.1720, 90.3420



Tritanopia

38.8279, 51.5852, 78.4315

Trichromacy



Original Color

40.7735, 51.6619, 87.9435

Protanomaly

45.2887, 50.3517, 81.4606

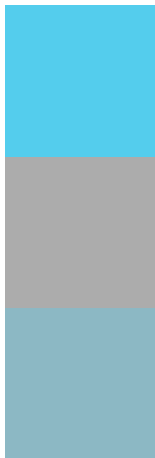
Deuteranomaly

46.4752, 50.4509, 89.7266

Tritanomaly

39.5224, 51.5052, 81.9872

Monochromacy



Original Color

40.7735, 51.6619, 87.9435

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.9195, 43.8420, 58.6883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7735, 51.6619, 87.9435 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(84, 205, 237)` looks like.

```
.text, #text, p{  
    color:rgb(84, 205, 237)  
}
```

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(84, 205, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 205, 237) }
```

Border

The CSS property to change the border of an element to XYZ 40.7735, 51.6619, 87.9435 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(84, 205, 237) }
```


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

```
.border{ border-color:rgb(84, 205, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 205, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 205, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 205, 237);  
box-shadow:4px 4px 4px 4px rgb(84, 205,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7735, 51.6619, 87.9435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 205, 237) }
```

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

```
.background{ background-color: rgb(84, 205,  
237) }
```

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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