

Converting Colors

XYZ(38.5985, 40.8604, 87.5143)

Have a look what the booklet for
XYZ(38.5985, 40.8604, 87.5143)
contains.

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Color

**XYZ(38.6557, 40.8850,
87.5156)**

Conversions

Conversions Part 1

Format	Color
Hex	78AFEF
RGB	120, 175, 239
RGB Percent	47%, 69%, 94%
CMY	0.5294, 0.3137, 0.0627
CMYK	0.50, 0.27, 0.00, 0.06
HSL	212°, 79%, 70%
HSV	212°, 50%, 94%
XYZ	38.6557, 40.8850, 87.5156
YIQ	165.8510, -53.3240, 8.2440

Conversions

Conversions Part 2

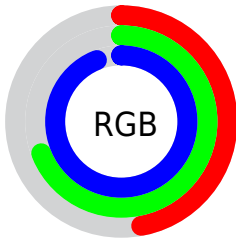
Format	Color
R _Y B	120, 158, 239
Decimal	7909359
CIE Lab	70.10, -0.65, -37.51
CIE LCh	70, 37.519, 269.005
Yxy	40.8850, 0.2314, 0.2447
Android (android.graphics.Color)	4286099439 (0xFF78AFEF)
YUV	165.8510, 36.0625, -40.2113
Hunter-Lab	63.9414, -3.9854, -36.3904

Details

The XYZ color **38.6557, 40.8850, 87.5156** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **56.1288, 53.9898, 25.2338**, and the grayscale version is **36.0248, 37.9009, 41.2740**.

A 20% lighter version of the original color is **64.7069, 73.2786, 105.3415**, and **17.4937, 18.5455, 47.4574** is the 20% darker color. If you saturate the color by 10%, you get **33.3616, 34.6176, 86.5857**, and if you desaturate by 10%, it is **45.0179, 48.0581, 88.5656**.

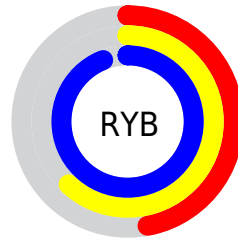
Distribution



Red (47%)

Green (69%)

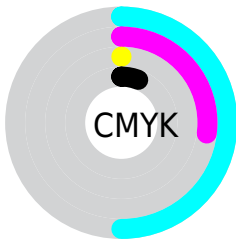
Blue (94%)



Red (47%)

Yellow (62%)

Blue (94%)

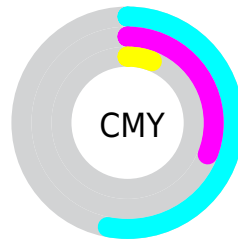


Cyan (50%)

Magenta (27%)

Yellow (0%)

Black (6%)



Cyan (53%)

Magenta (31%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6557, 40.8850, 87.5156 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 38.6557, 40.8850, 87.5156 by changing the saturation by 10% instead.

■ 38.6557, 40.8850,
87.5156

■ 38.6557, 40.8850,
87.5156

331.6569,
349.8397, 540.2758

■ 26.6715, 28.2292,
65.3599

■ 72.4095, 76.5093,
145.7878

■ 17.4620, 18.4985,
47.2998

■ 94.9098, 100.2466,
182.7414

■ 10.6618, 11.3085,
32.9167

■ 121.6462,
128.4466, 225.4647

■ 5.9055, 6.2747,
21.7920

152.9840,
161.4936, 274.3762

■ 2.8278, 3.0128,
13.5073

189.2887,
199.7720, 329.8946

■ 1.0634, 1.1384,
7.6440

230.9254,

■ 0.0000, 0.0105,

243.6662, 392.4382

3.7835

278.2597,
293.5607, 462.4258

■ 0.0000, 0.0000,
1.5073

■ 0.0000, 0.0000,
0.2234

■ 38.6557, 40.8850,
87.5156

■ 38.6557, 40.8850,
87.5156

■ 33.3616, 34.6176,
86.5857

■ 45.0179, 48.0581,
88.5656

■ 29.0621, 29.2059,
85.7677

■ 52.5065, 56.1741,
89.7375

■ 25.6799, 24.6006,
85.0571

■ 61.1805, 65.2732,
91.0366

■ 23.1225, 20.7431,
84.4473

■ 71.0931, 75.3917,
92.4672

■ 21.2418, 17.5459,
83.9293

■ 82.2943, 86.5638,
94.0333

■ 21.2059, 17.4836,
83.9192

■ 91.6703, 97.1925,
95.5906

■ 92.5801, 99.0121,
95.8939

Harmonies

Analogous

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



33.1009, 40.8850, 80.1751



38.6557, 40.8850, 87.5156



44.8599, 40.8850, 81.0457

Triad

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



38.6557, 40.8850, 87.5156



50.1066, 40.8850, 30.0730



29.6067, 40.8850, 29.2983

Complementary

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



38.6557, 40.8850, 87.5156



56.1288, 53.9898, 25.2338

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.



33.4204, 40.8850, 21.0399



38.6557, 40.8850, 87.5156



45.2511, 40.8850, 21.3975

Square

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



38.6557, 40.8850, 87.5156



51.8762, 40.8850, 45.1054



39.0650, 40.8850, 18.5770



28.2263, 40.8850, 43.9334

Rectangle

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



38.6557, 40.8850, 87.5156



48.4522, 40.8850, 70.5348



39.0650, 40.8850, 18.5770



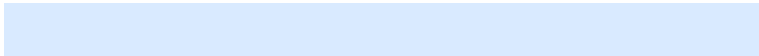
30.6254, 40.8850, 25.8419

Sweetspot

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



38.6571, 40.8865, 87.5166



76.1359, 81.0232, 106.2340



47.2096, 69.1656, 55.9187



15.7851, 16.8188, 22.6643



0.0000, 0.0000, 0.0000



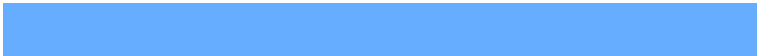
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.6571, 40.8865, 87.5166



38.4181, 39.8220, 100.2693



30.6054, 23.9494, 84.6718



15.4993, 16.4328, 20.0765



11.8470, 9.9183, 46.4179



1.0841, 1.0221, 3.8944

Inverse Universe

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



50.0522, 34.8804, 44.6533



53.5065, 33.7688, 43.0877



68.5297, 80.7579, 29.7470



16.0767, 15.8804, 17.9602



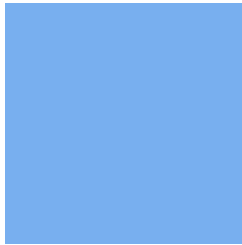
21.3054, 10.7946, 9.5250



1.8221, 0.9179, 1.0542

Previews

White Background



This preview shows how the XYZ color 38.6557, 40.8850, 87.5156 looks on a white background.

Color Contrast Check

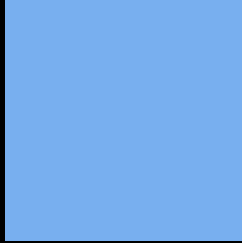
Large Text (above 18pt) WCAG AA × Fail

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 38.6557, 40.8850, 87.5156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

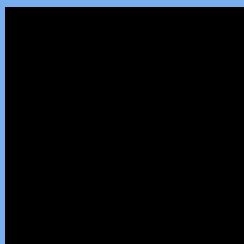
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

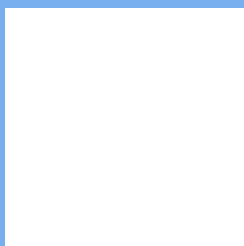
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6557, 40.8850, 87.5156

Background



This preview shows how black text looks on a background with the XYZ color 38.6557, 40.8850, 87.5156.



This preview shows how white text looks on a background with the XYZ color 38.6557, 40.8850,

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

38.6557, 40.8850, 87.5156

Protanopia

41.6164, 40.5251, 83.4706

Deuteranopia

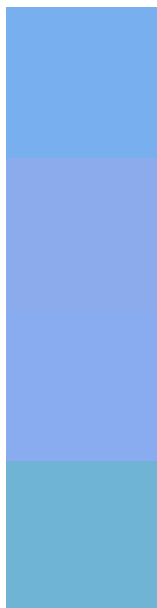
41.7702, 40.7782, 88.1075



Tritanopia

33.1899, 41.0700, 59.6041

Trichromacy



Original Color

38.6557, 40.8850, 87.5156

Protanomaly

40.5184, 40.7574, 85.0883

Deuteranomaly

40.6076, 40.7355, 88.1606

Tritanomaly

35.0136, 40.8914, 68.9982

Monochromacy



Original Color

38.6557, 40.8850, 87.5156

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.2080, 38.6158, 55.9973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6557, 40.8850, 87.5156 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(120, 175, 239)` looks like.

```
.text, #text, p{  
    color:rgb(120, 175, 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(120, 175, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 175, 239) }
```

Border

The CSS property to change the border of an element to XYZ 38.6557, 40.8850, 87.5156 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(120, 175, 239) }
```


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

```
.border{ border-color:rgb(120, 175, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 175, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 175, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 175, 239);  
box-shadow:4px 4px 4px 4px rgb(120, 175,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6557, 40.8850, 87.5156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 175, 239) }
```

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

```
.background{ background-color: rgb(120,  
175, 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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