

Converting Colors

XYZ(37.3869, 38.1978, 87.6075)

Have a look what the booklet for
XYZ(37.3869, 38.1978, 87.6075)
contains.

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Color

**XYZ(37.4765, 38.2896,
87.8535)**

Conversions

Conversions Part 1

Format	Color
Hex	78A8F0
RGB	120, 168, 240
RGB Percent	47%, 66%, 94%
CMY	0.5294, 0.3412, 0.0588
CMYK	0.50, 0.30, 0.00, 0.06
HSL	216°, 80%, 71%
HSV	216°, 50%, 94%
XYZ	37.4765, 38.2896, 87.8535
YIQ	161.8560, -51.7200, 12.2160

Conversions

Conversions Part 2

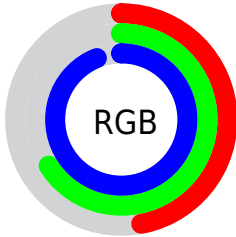
Format	Color
R _Y B	120, 154, 240
Decimal	7907568
CIE Lab	68.23, 3.57, -40.96
CIE LCh	68, 41.118, 274.978
Yxy	38.2896, 0.2290, 0.2340
Android (android.graphics.Color)	4286097648 (0xFF78A8F0)
YUV	161.8560, 38.5250, -36.7077
Hunter-Lab	61.8786, -0.1798, -40.8633

Details

The XYZ color **37.4765, 38.2896, 87.8535** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **58.1764, 57.5825, 25.8192**, and the grayscale version is **34.1194, 35.8962, 39.0910**.

A 20% lighter version of the original color is **62.7978, 69.4603, 104.7051**, and **16.7606, 16.9121, 47.7284** is the 20% darker color. If you saturate the color by 10%, you get **32.0428, 31.7585, 86.8800**, and if you desaturate by 10%, it is **44.0414, 45.8422, 88.9660**.

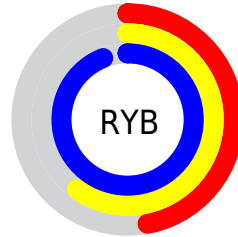
Distribution



Red (47%)

Green (66%)

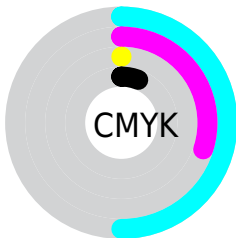
Blue (94%)



Red (47%)

Yellow (60%)

Blue (94%)

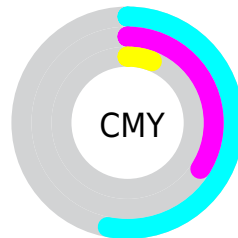


Cyan (50%)

Magenta (30%)

Yellow (0%)

Black (6%)



Cyan (53%)

Magenta (34%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4765, 38.2896, 87.8535 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 37.4765, 38.2896, 87.8535 by changing the saturation by 10% instead.

■ 37.4765, 38.2896,
87.8535

■ 37.4765, 38.2896,
87.8535

326.6888,
338.8606, 541.4122

■ 25.7520, 26.2075,
65.6381

■ 70.6141, 72.5518,
146.2625

■ 16.7699, 16.9790,
47.5241

■ 92.7580, 95.5007,
183.2932

■ 10.1649, 10.2195,
33.0928

■ 119.1056,
122.8407, 226.0995

■ 5.5715, 5.5447,
21.9259

150.0225,
154.9562, 275.0997

■ 2.6245, 2.5703,
13.6046

185.8738,
192.2315, 330.7126

■ 0.9585, 0.9117,
7.7106

227.0251,

■ 0.0000, 0.0000,

235.0511, 393.3566

3.8252

273.8416,
283.7994, 463.4503

■ 0.0000, 0.0000,
1.5300

■ 0.0000, 0.0000,
0.2401

■ 37.4765, 38.2896,
87.8535

■ 37.4765, 38.2896,
87.8535

■ 32.0428, 31.7585,
86.8800

■ 44.0414, 45.8422,
88.9660

■ 27.6631, 26.1931,
86.0366

■ 51.7995, 54.4599,
90.2205

■ 24.2560, 21.5369,
85.3174

■ 60.8127, 64.1881,
91.6232

■ 21.7245, 17.7243,
84.7150

■ 71.1375, 75.0684,
93.1791

■ 19.9114, 14.6573,
84.2185

■ 82.8266, 87.1400,
94.8931

■ 19.9111, 14.6568,
84.2185

■ 92.5385, 98.6917,
96.6109

■ 92.7283, 99.0713,
96.6742

Harmonies

Analogous

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



31.4098, 38.2896, 82.7138



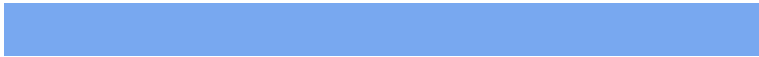
37.4765, 38.2896, 87.8535



43.9512, 38.2896, 77.9569

Triad

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



37.4765, 38.2896, 87.8535



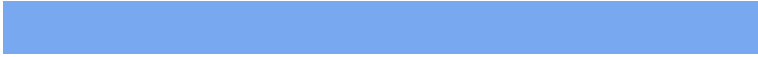
47.4934, 38.2896, 24.5079



26.2996, 38.2896, 28.4351

Complementary

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



37.4765, 38.2896, 87.8535



58.1764, 57.5825, 25.8192

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.



29.7554, 38.2896, 18.8866



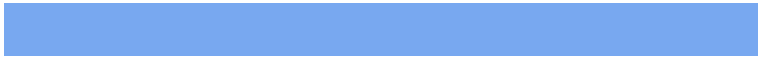
37.4765, 38.2896, 87.8535



41.8774, 38.2896, 17.1317

Square

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



37.4765, 38.2896, 87.8535



50.1528, 38.2896, 38.6933



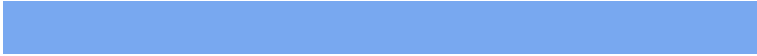
35.3308, 38.2896, 15.4283



25.4128, 38.2896, 44.8394

Rectangle

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



37.4765, 38.2896, 87.8535



47.4867, 38.2896, 65.4938



35.3308, 38.2896, 15.4283



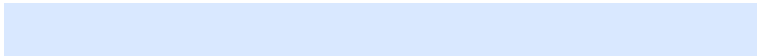
27.1776, 38.2896, 24.4919

Sweetspot

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



37.4779, 38.2910, 87.8544



75.4616, 79.6746, 106.0092



48.4215, 70.1201, 60.8532



15.6233, 16.4952, 22.6104



0.0000, 0.0000, 0.0000



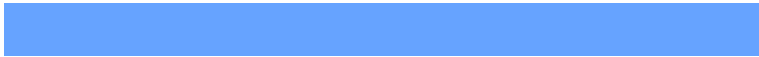
20.3446, 21.4041, 23.3091

Same Dimension

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



37.4779, 38.2910, 87.8544



36.6620, 36.3098, 99.6839



31.9619, 24.6314, 85.5086



15.4161, 16.2664, 20.0488



11.0213, 8.2669, 46.1427



1.0116, 0.8773, 3.8702

Inverse Universe

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



49.7207, 34.7869, 41.1410



52.6201, 33.4142, 38.4200



66.5462, 80.1711, 29.7382



16.0347, 15.8636, 17.7392



20.8887, 10.6279, 7.3303



1.7856, 0.9033, 0.8617

Previews

White Background



This preview shows how the XYZ color 37.4765, 38.2896, 87.8535 looks on a white background.

Color Contrast Check

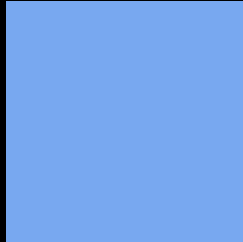
Large Text (above 18pt) WCAG AA × Fail

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 37.4765, 38.2896, 87.8535 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

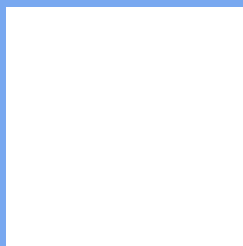
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4765, 38.2896, 87.8535

Background



This preview shows how black text looks on a background with the XYZ color 37.4765, 38.2896, 87.8535.



This preview shows how white text looks on a background with the XYZ color 37.4765, 38.2896,

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

37.4765, 38.2896, 87.8535

Protanopia

39.5652, 38.0902, 84.6237

Deuteranopia

39.1443, 38.0527, 88.5009



Tritanopia

30.9455, 38.1931, 55.6102

Trichromacy



Original Color

37.4765, 38.2896, 87.8535

Protanomaly

38.7329, 38.1756, 85.4479

Deuteranomaly

38.5382, 38.0070, 88.5240

Tritanomaly

33.0751, 38.1905, 65.9499

Monochromacy



Original Color

37.4765, 38.2896, 87.8535

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.6023, 36.4717, 53.9312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4765, 38.2896, 87.8535 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, 168, 240)` looks like.

```
.text, #text, p{  
    color:rgb(120, 168, 240)  
}
```

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, 168, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 168, 240) }
```

Border

The CSS property to change the border of an element to XYZ 37.4765, 38.2896, 87.8535 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, 168, 240) }
```


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

```
.border{ border-color:rgb(120, 168, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 168, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 168, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 168, 240); box-shadow:4px 4px 4px 4px rgb(120, 168, 240) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4765, 38.2896, 87.8535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 168, 240) }
```

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

```
.background{ background-color: rgb(120,  
168, 240) }
```

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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