

Converting Colors

XYZ(39.7834, 38.4073, 90.4442)

Have a look what the booklet for
XYZ(39.7834, 38.4073, 90.4442)
contains.

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Color

**XYZ(39.6065, 38.2562,
90.0907)**

Conversions

Conversions Part 1

Format	Color
Hex	88A4F3
RGB	136, 164, 243
RGB Percent	53%, 64%, 95%
CMY	0.4666, 0.3569, 0.0471
CMYK	0.44, 0.33, 0.00, 0.05
HSL	224°, 82%, 74%
HSV	224°, 44%, 95%
XYZ	39.6065, 38.2562, 90.0907
YIQ	164.6340, -42.0470, 18.6330

Conversions

Conversions Part 2

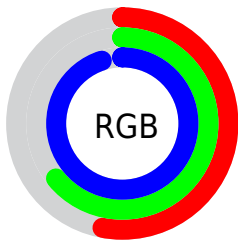
Format	Color
R _Y B	136, 158, 243
Decimal	8955123
CIE Lab	68.21, 10.49, -42.57
CIE LCh	68, 43.846, 283.844
Yxy	38.2562, 0.2358, 0.2278
Android (android.graphics.Color)	4287145203 (0xFF88A4F3)
YUV	164.6340, 38.6344, -25.1120
Hunter-Lab	61.8516, 6.0617, -43.0635

Details

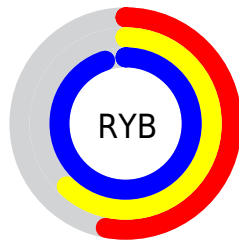
The XYZ color **39.6065, 38.2562, 90.0907** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.7081, 69.4353, 33.2336**, and the grayscale version is **35.4257, 37.2706, 40.5877**.

A 20% lighter version of the original color is **65.3738, 69.2205, 104.5231**, and **17.9925, 17.0177, 48.7908** is the 20% darker color. If you saturate the color by 10%, you get **33.1107, 30.4731, 88.9315**, and if you desaturate by 10%, it is **47.4526, 47.4092, 91.4446**.

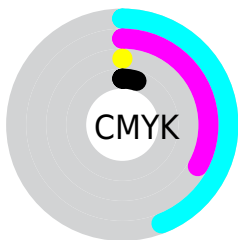
Distribution



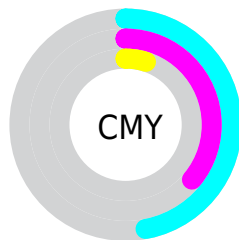
- Red (53%)
- Green (64%)
- Blue (95%)



- Red (53%)
- Yellow (62%)
- Blue (95%)



- Cyan (44%)
- Magenta (33%)
- Yellow (0%)
- Black (5%)



- Cyan (47%)
- Magenta (36%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6065, 38.2562, 90.0907 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 39.6065, 38.2562, 90.0907 by changing the saturation by 10% instead.

■ 39.6065, 38.2562,
90.0907

■ 39.6065, 38.2562,
90.0907

335.6252,
338.7177, 548.9036

■ 27.4147, 26.1816,
67.4817

■ 73.8521, 72.5007,
149.4010

■ 18.0231, 16.9595,
49.0122

■ 96.6366, 95.4393,
186.9394

■ 11.0664, 10.2056,
34.2635

■ 123.6827,
122.7681, 230.2914

■ 6.1791, 5.5355,
22.8171

155.3558,
154.8714, 279.8754

■ 2.9960, 2.5648,
14.2545

192.0213,
192.1336, 336.1102

■ 1.1516, 0.9090,
8.1571

234.0444,

■ 0.0677, 0.0000,

234.9391, 399.4141

4.1064

281.7906,
283.6724, 470.2057

■ 0.0000, 0.0000,
1.6839

■ 0.0000, 0.0000,
0.3497

■ 39.6065, 38.2562,
90.0907

■ 39.6065, 38.2562,
90.0907

■ 33.1107, 30.4731,
88.9315

■ 47.4526, 47.4092,
91.4446

■ 27.8810, 23.9864,
87.9551

■ 56.7181, 57.9920,
92.9989

■ 23.8295, 18.7216,
87.1524

■ 67.4721, 70.0658,
94.7626

■ 20.8548, 14.5939,
86.5125

■ 79.7781, 83.6871,
96.7432

■ 18.8353, 11.5056,
86.0228

■ 92.7677, 98.4309,
98.9044

■ 17.9879, 10.0913,
85.7945

■ 93.1778, 99.2511,
99.0411

Harmonies

Analogous

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



32.8168, 38.2562, 89.4335



39.6065, 38.2562, 90.0907



46.2743, 38.2562, 75.2307

Triad

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



39.6065, 38.2562, 90.0907



46.7170, 38.2562, 20.6004



25.1164, 38.2562, 32.0116

Complementary

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



39.6065, 38.2562, 90.0907



65.7081, 69.4353, 33.2336

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.



27.9760, 38.2562, 19.9346



39.6065, 38.2562, 90.0907



40.1525, 38.2562, 14.9043

Square

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



39.6065, 38.2562, 90.0907



50.7150, 38.2562, 33.2611



33.2985, 38.2562, 14.7066



25.0090, 38.2562, 51.3530

Rectangle

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



39.6065, 38.2562, 90.0907



49.5180, 38.2562, 60.6027



33.2985, 38.2562, 14.7066



25.7697, 38.2562, 27.1354

Sweetspot

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



39.6079, 38.2576, 90.0916



76.5712, 79.6118, 105.9386



54.4026, 74.2154, 75.3903



15.7815, 16.3626, 22.5765



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.



39.6079, 38.2576, 90.0916



37.5320, 34.7165, 99.3305



39.6748, 31.6549, 88.8137



15.9337, 16.6317, 20.9130



9.9651, 5.7240, 47.1176



0.9561, 0.6637, 4.1679

Inverse Universe

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



52.4684, 39.3450, 39.9521



53.8729, 37.0307, 35.4130



65.4191, 80.7903, 35.4406



16.6771, 16.5537, 18.0463



20.8344, 10.6772, 3.8365



1.8717, 0.9546, 0.5506

Previews

White Background



This preview shows how the XYZ color 39.6065, 38.2562, 90.0907 looks on a white background.

Color Contrast Check

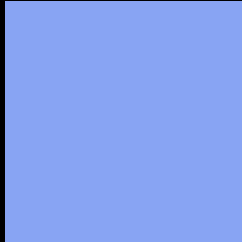
Large Text (above 18pt) WCAG AA × Fail

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 39.6065, 38.2562, 90.0907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

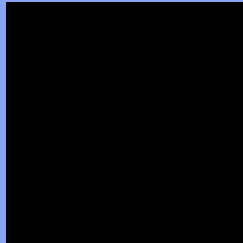
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.6065, 38.2562, 90.0907

Background



This preview shows how black text looks on a background with the XYZ color 39.6065, 38.2562, 90.0907.



This preview shows how white text looks on a background with the XYZ color 39.6065, 38.2562,

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

39.6065, 38.2562, 90.0907

Protanopia

39.9394, 38.1806, 89.2690

Deuteranopia

39.3057, 38.3679, 90.1281



Tritanopia

32.4004, 38.3990, 53.8482

Trichromacy



Original Color

39.6065, 38.2562, 90.0907

Protanomaly

39.7717, 38.0942, 89.2611

Deuteranomaly

39.4643, 38.4497, 90.1356

Tritanomaly

34.6757, 38.1649, 65.8606

Monochromacy



Original Color

39.6065, 38.2562, 90.0907

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.4072, 37.6305, 55.7966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6065, 38.2562, 90.0907 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(136, 164, 243)` looks like.

```
.text, #text, p{  
    color:rgb(136, 164, 243)  
}
```

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(136, 164, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 164, 243) }
```

Border

The CSS property to change the border of an element to XYZ 39.6065, 38.2562, 90.0907 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(136, 164, 243) }
```


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

```
.border{ border-color:rgb(136, 164, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 164, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 164, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 164, 243);  
box-shadow:4px 4px 4px 4px rgb(136, 164,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6065, 38.2562, 90.0907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 164, 243) }
```

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

```
.background{ background-color: rgb(136,  
164, 243) }
```

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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