

Converting Colors

XYZ(37.5243, 38.1396, 98.9781)

Have a look what the booklet for
XYZ(37.5243, 38.1396, 98.9781)
contains.

XYZ(37.4855, 38.0446, 99.1336) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(37.4855, 38.0446,
99.1336)**

Conversions

Conversions Part 1

Format	Color
Hex	67A8FE
RGB	103, 168, 254
RGB Percent	40%, 66%, 100%
CMY	0.5961, 0.3412, 0.0039
CMYK	0.59, 0.34, 0.00, 0.00
HSL	214°, 99%, 70%
HSV	214°, 59%, 100%
XYZ	37.4855, 38.0446, 99.1336
YIQ	158.3690, -66.3460, 12.9660

Conversions

Conversions Part 2

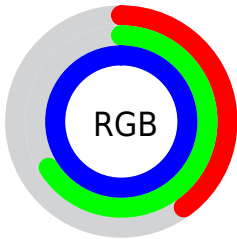
Format	Color
RYB	103, 148, 254
Decimal	6793470
CIELab	68.05, 4.37, -48.92
CIELCh	68, 49.118, 275.108
Yxy	38.0446, 0.2146, 0.2178
Android (android.graphics.Color)	4284983550 (0xFF67A8FE)
YUV	158.3690, 47.1461, -48.5586
Hunter-Lab	61.6803, 0.5408, -52.1156

Details

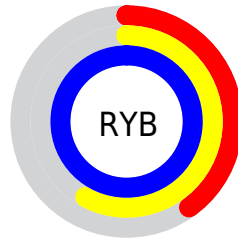
The XYZ color **37.4855, 38.0446, 99.1336** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **61.5208, 58.4482, 20.8730**, and the grayscale version is **32.4825, 34.1741, 37.2156**.

A 20% lighter version of the original color is **59.7475, 67.8879, 104.5624**, and **16.7494, 16.7416, 55.1720** is the 20% darker color. If you saturate the color by 10%, you get **32.4784, 31.7172, 98.1770**, and if you desaturate by 10%, it is **43.6772, 45.4249, 100.2326**.

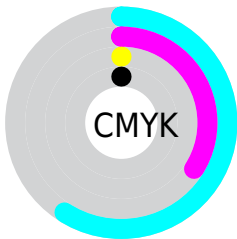
Distribution



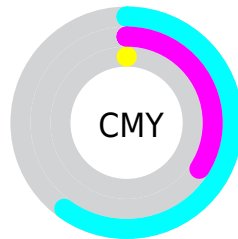
- Red (40%)
- Green (66%)
- Blue (100%)



- Red (40%)
- Yellow (58%)
- Blue (100%)



- Cyan (59%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4855, 38.0446, 99.1336 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 37.4855, 38.0446, 99.1336 by changing the saturation by 10% instead.


 37.4855, 38.0446,
99.1336


 37.4855, 38.0446,
99.1336


326.7269,
337.8113, 578.6343


 25.7590, 26.0173,
74.9643


 70.6279, 72.1765,
162.0075

 16.7752, 16.8366,
55.0821


 92.7744, 95.0499,
201.5492

 10.1686, 10.1181,
39.0684


 119.1251,
122.3074, 247.0522

 5.5740, 5.4773,
26.5047

150.0452,
154.3335, 298.9349

 2.6260, 2.5299,
16.9725

185.9000,
191.5125, 357.6159

 0.9592, 0.8916,
10.0531

227.0550,

 0.0000, 0.0000,

234.2289, 423.5138

5.3281

273.8755,
282.8670, 497.0471

■ 0.0000, 0.0000,
2.3790

■ 0.0000, 0.0000,
0.7750

■ 37.4855, 38.0446,
99.1336

■ 37.4855, 38.0446,
99.1336

■ 32.4784, 31.7172,
98.1770

■ 43.6772, 45.4249,
100.2326

■ 28.5590, 26.3766,
97.3527

■ 51.1310, 53.9102,
101.4776

■ 25.6198, 21.9529,
96.6538

■ 59.9223, 63.5529,
102.8754

■ 23.4977, 18.3460,
96.0694

■ 70.1190, 74.4007,
104.4318

■ 23.3939, 18.1646,
96.0399

■ 81.7841, 86.4980,
106.1520

94.8265, 99.8097,
108.0340

94.8895, 99.9358,
108.0551

Harmonies

Analogous

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



30.3164, 38.0446, 92.5820



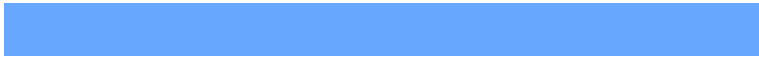
37.4855, 38.0446, 99.1336



45.2952, 38.0446, 86.3185

Triad

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



37.4855, 38.0446, 99.1336



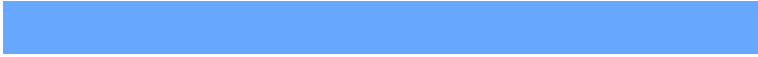
49.5755, 38.0446, 21.6152



24.3928, 38.0446, 26.1042

Complementary

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



37.4855, 38.0446, 99.1336



61.5208, 58.4482, 20.8730

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.



28.3443, 38.0446, 15.6378



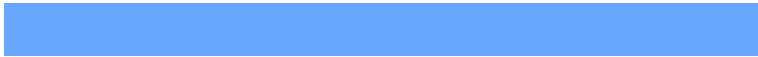
37.4855, 38.0446, 99.1336



42.7106, 38.0446, 13.7597

Square

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



37.4855, 38.0446, 99.1336



52.8761, 38.0446, 37.7862



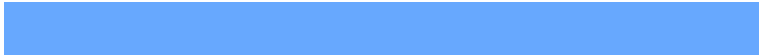
34.8666, 38.0446, 12.0403



23.4006, 38.0446, 45.2884

Rectangle

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



37.4855, 38.0446, 99.1336



49.6147, 38.0446, 70.4916



34.8666, 38.0446, 12.0403



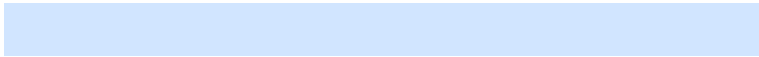
25.3887, 38.0446, 21.6995

Sweetspot

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



37.4869, 38.0459, 99.1346



72.3527, 76.7497, 105.6085



50.1752, 77.4237, 60.1997



14.8001, 15.7070, 22.5017



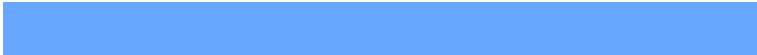
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.4869, 38.0459, 99.1346



32.0794, 31.0923, 98.9184



29.5600, 20.3733, 96.1412



17.6460, 18.6636, 22.9223



12.4732, 9.8561, 50.6796



1.3204, 1.1716, 4.9698

Inverse Universe

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



52.7925, 33.6002, 40.7499



49.3433, 28.4140, 32.5392



75.1762, 91.0851, 26.4528



18.3340, 18.1169, 20.3758



23.0841, 11.7229, 9.0934



2.3011, 1.1628, 1.1670

Previews

White Background



This preview shows how the XYZ color 37.4855, 38.0446, 99.1336 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 37.4855, 38.0446, 99.1336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

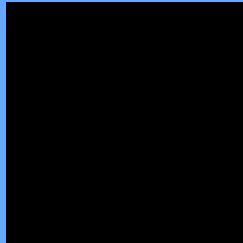
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

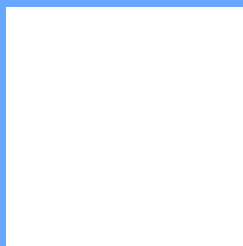
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4855, 38.0446, 99.1336

Background



This preview shows how black text looks on a background with the XYZ color 37.4855, 38.0446, 99.1336.



This preview shows how white text looks on a background with the XYZ color 37.4855, 38.0446,

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

37.4855, 38.0446, 99.1336

Protanopia

40.0109, 37.8311, 94.8159

Deuteranopia

39.1129, 38.0522, 99.8911



Tritanopia

29.1194, 38.1153, 56.8612

Trichromacy



Original Color

37.4855, 38.0446, 99.1336

Protanomaly

38.8564, 37.7269, 96.5009

Deuteranomaly

38.4963, 38.0031, 99.9141

Tritanomaly

31.7578, 37.9870, 70.6242

Monochromacy



Original Color

37.4855, 38.0446, 99.1336

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.0272, 35.0942, 55.4852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4855, 38.0446, 99.1336 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(103, 168, 254)` looks like.

```
.text, #text, p{  
    color:rgb(103, 168, 254)  
}
```

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(103, 168, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 168, 254) }
```

Border

The CSS property to change the border of an element to XYZ 37.4855, 38.0446, 99.1336 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(103, 168, 254) }
```


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

```
.border{ border-color:rgb(103, 168, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 168, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 168, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 168, 254);  
box-shadow:4px 4px 4px 4px rgb(103, 168,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4855, 38.0446, 99.1336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 168, 254) }
```

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

```
.background{ background-color: rgb(103,  
168, 254) }
```

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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