

Converting Colors

XYZ(38.6739, 47.7920, 81.4050)

Have a look what the booklet for
XYZ(38.6739, 47.7920, 81.4050)
contains.

XYZ(38.7252, 47.9693, 81.3467)	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(38.7252, 47.9693,
81.3467)**

Conversions

Conversions Part 1

Format	Color
Hex	5EC5E5
RGB	94, 197, 229
RGB Percent	37%, 77%, 90%
CMY	0.6313, 0.2274, 0.1020
CMYK	0.59, 0.14, 0.00, 0.10
HSL	194°, 72%, 63%
HSV	194°, 59%, 90%
XYZ	38.7252, 47.9693, 81.3467
YIQ	169.8510, -71.6600, -11.8840

Conversions

Conversions Part 2

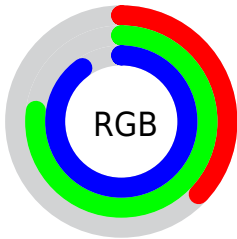
Format	Color
R _Y B	94, 152, 229
Decimal	6211045
CIE Lab	74.81, -20.73, -24.92
CIE LCh	75, 32.414, 230.237
Yxy	47.9693, 0.2305, 0.2855
Android (android.graphics.Color)	4284401125 (0xFF5EC5E5)
YUV	169.8510, 29.1605, -66.5213
Hunter-Lab	69.2599, -21.4003, -21.1550

Details

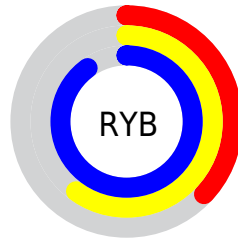
The XYZ color **38.7252, 47.9693, 81.3467** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **41.7957, 32.3896, 14.6403**, and the grayscale version is **38.0209, 40.0009, 43.5610**.

A 20% lighter version of the original color is **67.0094, 85.0722, 107.4965**, and **17.4529, 22.7072, 42.9982** is the 20% darker color. If you saturate the color by 10%, you get **35.5058, 44.5136, 80.8503**, and if you desaturate by 10%, it is **42.6885, 51.8763, 81.8928**.

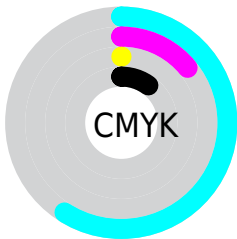
Distribution



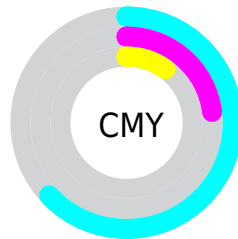
- Red (37%)
- Green (77%)
- Blue (90%)



- Red (37%)
- Yellow (60%)
- Blue (90%)



- Cyan (59%)
- Magenta (14%)
- Yellow (0%)
- Black (10%)



- Cyan (63%)
- Magenta (23%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7252, 47.9693, 81.3467 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 38.7252, 47.9693, 81.3467 by changing the saturation by 10% instead.

■ 38.7252, 47.9693,
81.3467

■ 38.7252, 47.9693,
81.3467

331.9481,
378.6704, 519.2858

■ 26.7258, 33.8026,
60.2945

■ 72.5151, 87.1587,
137.0859

■ 17.5029, 22.7420,
43.2292

■ 95.0363, 112.9502,
172.6100

■ 10.6912, 14.4031,
29.7323

■ 121.7954,
143.3853, 213.7952

■ 5.9254, 8.4016,
19.3851

■ 153.1579,
178.8486, 261.0600

■ 2.8400, 4.3530,
11.7693

189.4890,
219.7243, 314.8229

■ 1.0697, 1.8729,
6.4661

231.1542,

■ 0.0000, 0.5320,

266.3969, 375.5024

3.0572

278.5188,
319.2508, 443.5172

■ 0.0000, 0.0000,
1.1239

■ 0.0000, 0.0000,
0.0000

■ 38.7252, 47.9693,
81.3467

■ 38.7252, 47.9693,
81.3467

■ 35.5058, 44.5136,
80.8503

■ 42.6885, 51.8763,
81.8928

■ 32.9615, 41.4702,
80.3969

■ 47.4473, 56.2590,
82.4880

■ 31.0182, 38.8012,
79.9842

■ 53.0540, 61.1460,
83.1358

■ 29.5597, 36.4458,
79.6064

■ 59.5548, 66.5619,
83.8385

■ 29.4185, 36.2082,
79.5680

■ 66.9927, 72.5293,
84.5983

■ 75.4076, 79.0696,
85.4172

■ 84.8372, 86.2027,
86.2970

■ 86.6692, 89.4897,
86.8349

■ 88.2950, 92.7412,
87.3768

Harmonies

Analogous

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



35.7697, 47.9693, 64.2745



38.7252, 47.9693, 81.3467



43.6994, 47.9693, 91.1683

Triad

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



38.7252, 47.9693, 81.3467



57.6926, 47.9693, 57.9270



41.7864, 47.9693, 27.3221

Complementary

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



38.7252, 47.9693, 81.3467



41.7957, 32.3896, 14.6403

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.



47.5413, 47.9693, 26.3391



38.7252, 47.9693, 81.3467



57.0688, 47.9693, 41.7935

Square

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



38.7252, 47.9693, 81.3467



54.8667, 47.9693, 75.8491



53.2291, 47.9693, 31.0515



37.4286, 47.9693, 34.1072

Rectangle

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



38.7252, 47.9693, 81.3467



47.6362, 47.9693, 91.1008



53.2291, 47.9693, 31.0515



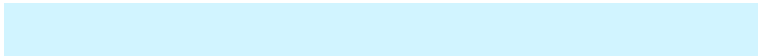
43.6098, 47.9693, 26.3686

Sweetspot

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



38.7268, 47.9711, 81.3479



76.7596, 85.5636, 107.0775



36.3705, 59.9130, 29.2193



15.8776, 17.8620, 22.8608



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.



38.7268, 47.9711, 81.3479



44.4349, 55.8032, 103.0369



26.7432, 24.0040, 77.3533



14.5027, 15.7269, 18.4155



16.9170, 20.8961, 45.5249



1.3201, 1.6842, 3.3875

Inverse Universe

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



46.3952, 28.6962, 55.9187



55.5798, 30.9086, 65.3800



53.4048, 55.6077, 18.5100



14.8413, 14.5537, 17.3649



22.9324, 11.3072, 24.3370



1.7300, 0.8497, 1.9846

Previews

White Background



This preview shows how the XYZ color 38.7252, 47.9693, 81.3467 looks on a white background.

Color Contrast Check

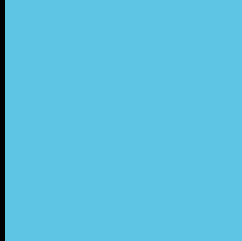
Large Text (above 18pt) WCAG AA × Fail

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 38.7252, 47.9693, 81.3467 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 38.7252, 47.9693, 81.3467

Background



This preview shows how black text looks on a background with the XYZ color 38.7252, 47.9693, 81.3467.



This preview shows how white text looks on a background with the XYZ color 38.7252, 47.9693,

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

38.7252, 47.9693, 81.3467

Protanopia

46.8580, 47.2237, 72.9751

Deuteranopia

48.7084, 47.6397, 83.7190



Tritanopia

36.7137, 47.8279, 71.5867

Trichromacy



Original Color

38.7252, 47.9693, 81.3467

Protanomaly

42.8092, 46.9256, 75.9085

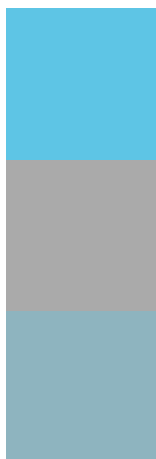
Deuteranomaly

43.9785, 47.0550, 83.1085

Tritanomaly

37.3288, 47.7291, 74.9554

Monochromacy



Original Color

38.7252, 47.9693, 81.3467

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.8806, 42.1549, 55.4831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7252, 47.9693, 81.3467 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(94, 197, 229)` looks like.

```
.text, #text, p{  
  color:rgb(94, 197, 229)  
}
```

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(94, 197, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 197, 229) }
```

Border

The CSS property to change the border of an element to XYZ 38.7252, 47.9693, 81.3467 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(94, 197, 229) }
```


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

```
.border{ border-color:rgb(94, 197, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 197, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 197, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 197, 229);  
box-shadow:4px 4px 4px 4px rgb(94, 197,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7252, 47.9693, 81.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 197, 229) }
```

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

```
.background{ background-color: rgb(94, 197,  
229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor