

Converting Colors

XYZ(37.6778, 41.3466, 94.8225)

Have a look what the booklet for
XYZ(37.6778, 41.3466, 94.8225)
contains.

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Color

**XYZ(37.6795, 41.3972,
94.8115)**

Conversions

Conversions Part 1

Format	Color
Hex	5EB3F8
RGB	94, 179, 248
RGB Percent	37%, 70%, 97%
CMY	0.6313, 0.2980, 0.0274
CMYK	0.62, 0.28, 0.00, 0.03
HSL	207°, 92%, 67%
HSV	207°, 62%, 97%
XYZ	37.6795, 41.3972, 94.8115
YIQ	161.4510, -72.8090, 3.4390

Conversions

Conversions Part 2

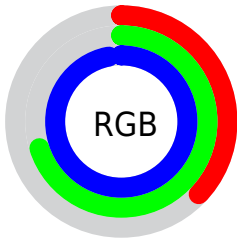
Format	Color
R _Y B	94, 149, 248
Decimal	6206456
CIE Lab	70.45, -5.34, -41.93
CIE LCh	70, 42.265, 262.742
Yxy	41.3972, 0.2167, 0.2381
Android (android.graphics.Color)	4284396536 (0xFF5EB3F8)
YUV	161.4510, 42.6687, -59.1545
Hunter-Lab	64.3407, -8.0621, -42.3305

Details

The XYZ color **37.6795, 41.3972, 94.8115** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **53.8310, 46.9620, 16.8191**, and the grayscale version is **33.9196, 35.6860, 38.8621**.

A 20% lighter version of the original color is **61.4686, 73.7046, 105.5944**, and **16.9933, 18.9403, 52.0504** is the 20% darker color. If you saturate the color by 10%, you get **33.3949, 36.0150, 93.9993**, and if you desaturate by 10%, it is **42.9632, 47.5623, 95.7238**.

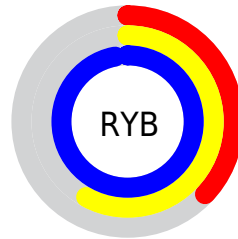
Distribution



Red (37%)

Green (70%)

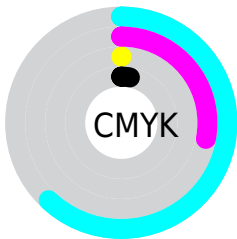
Blue (97%)



Red (37%)

Yellow (58%)

Blue (97%)

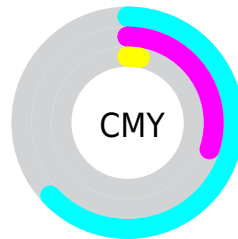


Cyan (62%)

Magenta (28%)

Yellow (0%)

Black (3%)



Cyan (63%)

Magenta (30%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6795, 41.3972, 94.8115 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 37.6795, 41.3972, 94.8115 by changing the saturation by 10% instead.

■ 37.6795, 41.3972,
94.8115

■ 37.6795, 41.3972,
94.8115

327.5478,
351.9780, 564.5303

■ 25.9101, 28.6296,
71.3821

■ 70.9237, 77.2865,
155.9975

■ 16.8887, 18.8008,
52.1703

■ 93.1292, 101.1770,
194.5911

■ 10.2500, 11.5264,
36.7577

■ 119.5442,
129.5438, 239.0766

■ 5.6286, 6.4221,
24.7256

■ 150.5339,
162.7715, 289.8725

■ 2.6591, 3.1034,
15.6556

186.4638,
201.2443, 347.3972

■ 0.9761, 1.1859,
9.1291

227.6992,

■ 0.0000, 0.0502,

245.3468, 412.0694

4.7275

274.6054,
295.4632, 484.3076

■ 0.0000, 0.0000,
2.0324

■ 0.0000, 0.0000,
0.5751

■ 37.6795, 41.3972,
94.8115

■ 37.6795, 41.3972,
94.8115

■ 33.3949, 36.0150,
93.9993

■ 42.9632, 47.5623,
95.7238

■ 30.0193, 31.3609,
93.2789

■ 49.3163, 54.5505,
96.7378

■ 27.4515, 27.3770,
92.6452

■ 56.8073, 62.4036,
97.8588

■ 25.8721, 24.6347,
92.1992

■ 65.4973, 71.1588,
99.0907

■ 75.4429, 80.8508,
100.4373

■ 86.6967, 91.5120,
101.9020

■ 93.9434, 99.5574,
103.0729

Harmonies

Analogous

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



31.7854, 41.3972, 82.9975



37.6795, 41.3972, 94.8115



44.7527, 41.3972, 90.4895

Triad

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



37.6795, 41.3972, 94.8115



53.0307, 41.3972, 31.8173



29.6239, 41.3972, 25.6185

Complementary

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



37.6795, 41.3972, 94.8115



53.8310, 46.9620, 16.8191

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.



34.3948, 41.3972, 18.1540



37.6795, 41.3972, 94.8115



48.0213, 41.3972, 20.9261

Square

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



37.6795, 41.3972, 94.8115



54.1779, 41.3972, 50.0942



41.0626, 41.3972, 16.7346



27.5041, 41.3972, 40.4019

Rectangle

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



37.6795, 41.3972, 94.8115



49.1507, 41.3972, 79.5051



41.0626, 41.3972, 16.7346



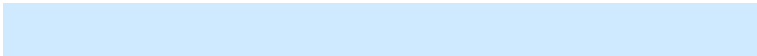
30.9418, 41.3972, 22.3720

Sweetspot

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



37.6810, 41.3986, 94.8125



72.8780, 78.8635, 105.9888



44.5947, 72.0796, 45.1599



14.9774, 16.2679, 22.6006



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.



37.6810, 41.3986, 94.8125



34.3934, 36.7921, 99.8966



26.5384, 19.1136, 91.0983



17.0773, 18.2315, 22.0043



14.1182, 13.5920, 49.8530



1.4134, 1.4705, 4.6525

Inverse Universe

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



50.8522, 31.2184, 45.9946



50.2497, 27.7748, 40.4002



71.2299, 81.7598, 22.6187



17.6456, 17.3856, 19.9894



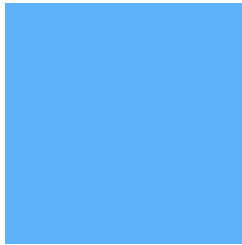
23.4182, 11.7830, 14.1767



2.2223, 1.1127, 1.5943

Previews

White Background



This preview shows how the XYZ color 37.6795, 41.3972, 94.8115 looks on a white background.

Color Contrast Check

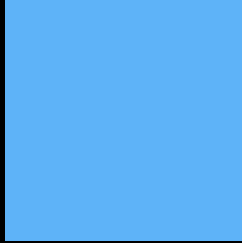
Large Text (above 18pt) WCAG AA × Fail

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 37.6795, 41.3972, 94.8115 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

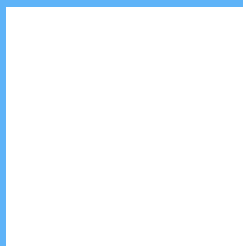
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6795, 41.3972, 94.8115

Background



This preview shows how black text looks on a background with the XYZ color 37.6795, 41.3972, 94.8115.

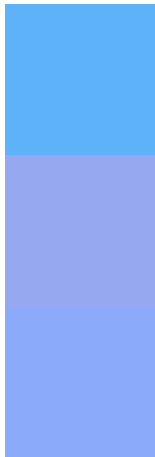


This preview shows how white text looks on a background with the XYZ color 37.6795, 41.3972,

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

37.6795, 41.3972, 94.8115

Protanopia

42.4938, 41.1512, 88.1414

Deuteranopia

42.2775, 41.1405, 96.1551



Tritanopia

31.4352, 41.6560, 62.8835

Trichromacy



Original Color

37.6795, 41.3972, 94.8115

Protanomaly

40.3272, 41.1040, 90.6024

Deuteranomaly

40.2108, 40.9376, 95.4050

Tritanomaly

33.4434, 41.5179, 73.2689

Monochromacy



Original Color

37.6795, 41.3972, 94.8115

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.9448, 37.1739, 55.8383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6795, 41.3972, 94.8115 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, 179, 248)` looks like.

```
.text, #text, p{  
    color:rgb(94, 179, 248)  
}
```

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, 179, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 179, 248) }
```

Border

The CSS property to change the border of an element to XYZ 37.6795, 41.3972, 94.8115 is called "border". The border property can be set on classes, ids or directly on the HTML element.

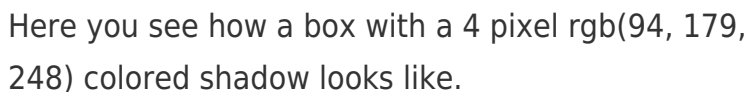
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(94, 179, 248) }
```


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

```
.border{ border-color:rgb(94, 179, 248) }
```

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



Here you see how a box with a 4 pixel rgb(94, 179, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 179, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 179, 248);  
box-shadow:4px 4px 4px 4px rgb(94, 179,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6795, 41.3972, 94.8115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 179, 248) }
```

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

```
.background{ background-color: rgb(94, 179,  
248) }
```

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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