

Converting Colors

XYZ(37.7208, 45.9886, 94.4447)

Have a look what the booklet for
XYZ(37.7208, 45.9886, 94.4447)
contains.

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Color

**XYZ(37.5680, 45.7544,
94.0402)**

Conversions

Conversions Part 1

Format	Color
Hex	3CC1F6
RGB	60, 193, 246
RGB Percent	24%, 76%, 96%
CMY	0.7646, 0.2431, 0.0353
CMYK	0.76, 0.22, 0.00, 0.04
HSL	197°, 91%, 60%
HSV	197°, 76%, 96%
XYZ	37.5680, 45.7544, 94.0402
YIQ	159.2750, -96.2810, -11.7130

Conversions

Conversions Part 2

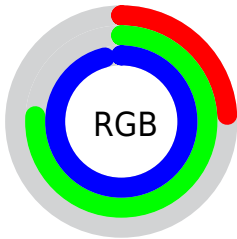
Format	Color
R _{YB}	60, 138, 246
Decimal	3981814
CIE Lab	73.39, -18.34, -36.35
CIE LCh	73, 40.717, 243.225
Yxy	45.7544, 0.2118, 0.2580
Android (android.graphics.Color)	4282171894 (0xFF3CC1F6)
YUV	159.2750, 42.7554, -87.0642
Hunter-Lab	67.6420, -19.2356, -35.0793

Details

The XYZ color **37.5680, 45.7544, 94.0402** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **44.7290, 31.7326, 8.0445**, and the grayscale version is **32.9249, 34.6396, 37.7225**.

A 20% lighter version of the original color is **61.7513, 80.4967, 106.8905**, and **18.4179, 22.1394, 51.4467** is the 20% darker color. If you saturate the color by 10%, you get **34.8993, 42.1331, 93.4828**, and if you desaturate by 10%, it is **41.0033, 49.8815, 94.6567**.

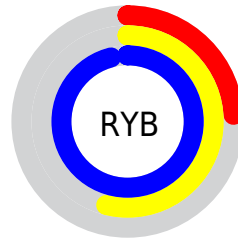
Distribution



Red (24%)

Green (76%)

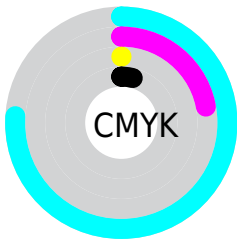
Blue (96%)



Red (24%)

Yellow (54%)

Blue (96%)

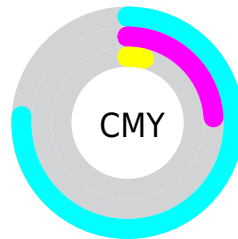


Cyan (76%)

Magenta (22%)

Yellow (0%)

Black (4%)



Cyan (76%)

Magenta (24%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5680, 45.7544, 94.0402 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 37.5680, 45.7544, 94.0402 by changing the saturation by 10% instead.

37.5680, 45.7544,
94.0402

37.5680, 45.7544,
94.0402

327.0761,
369.8204, 561.9934

25.8233, 32.0521,
70.7439

70.7537, 83.8513,
154.9221

16.8235, 21.4013,
51.6527

92.9253, 109.0147,
193.3448

10.2032, 13.4176,
36.3480

119.3034,
138.7672, 237.6467

5.5972, 7.7168,
24.4113

150.2531,
173.4932, 288.2463

2.6401, 3.9142,
15.4240

186.1399,
213.5771, 345.5623

0.9664, 1.6257,
8.9675

227.3291,

0.0000, 0.3748,

259.4034, 410.0131

4.6235

274.1860,
311.3563, 482.0173

■ 0.0000, 0.0000,
1.9733

■ 0.0000, 0.0000,
0.5388

■ 37.5680, 45.7544,
94.0402

■ 37.5680, 45.7544,
94.0402

■ 34.8993, 42.1331,
93.4828

■ 41.0033, 49.8815,
94.6567

■ 32.8868, 38.9569,
92.9758

■ 45.2861, 54.5553,
95.3331

■ 32.1406, 37.6656,
92.7659

■ 50.4916, 59.8166,
96.0743

■ 56.6848, 65.7005,
96.8835

■ 63.9246, 72.2388,
97.7640

■ 72.2654, 79.4606,
98.7183

■ 81.7572, 87.3933,
99.7492

■ 91.7760, 95.7164,
100.8277

■ 93.6347, 99.4339,
101.4473

Harmonies

Analogous

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



32.9441, 45.7544, 74.7373



37.5680, 45.7544, 94.0402



44.2683, 45.7544, 100.5562

Triad

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



37.5680, 45.7544, 94.0402



58.7574, 45.7544, 47.6305



36.3627, 45.7544, 23.5498

Complementary

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



37.5680, 45.7544, 94.0402



44.7290, 31.7326, 8.0445

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.



42.7172, 45.7544, 19.8798



37.5680, 45.7544, 94.0402



56.0715, 45.7544, 31.1642

Square

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



37.5680, 45.7544, 94.0402



56.9952, 45.7544, 69.8084



49.9998, 45.7544, 22.2275



32.3038, 45.7544, 34.0636

Rectangle

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



37.5680, 45.7544, 94.0402



49.1548, 45.7544, 95.6284



49.9998, 45.7544, 22.2275



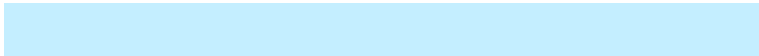
38.2747, 45.7544, 21.6292

Sweetspot

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



37.5696, 45.7560, 94.0413



71.5643, 80.3191, 106.3390



37.7848, 68.0591, 26.6828



14.6566, 16.6093, 22.6834



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.



37.5696, 45.7560, 94.0413



36.5729, 43.7430, 101.1234



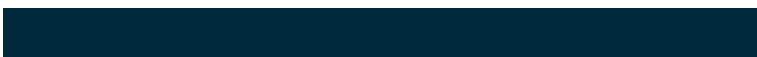
23.0862, 16.7892, 89.2135



16.5744, 17.9131, 21.1266



17.2808, 20.3553, 49.5562



1.6061, 1.9636, 4.3846

Inverse Universe

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



49.2490, 26.6766, 53.0069



50.7172, 25.5395, 50.3296



60.8225, 63.9197, 13.4090



17.0005, 16.6831, 19.7492



24.5270, 12.1543, 23.2815



2.1997, 1.0859, 2.2782

Previews

White Background



This preview shows how the XYZ color 37.5680, 45.7544, 94.0402 looks on a white background.

Color Contrast Check

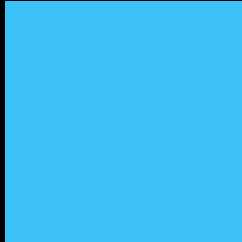
Large Text (above 18pt) WCAG AA × Fail

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 37.5680, 45.7544, 94.0402 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

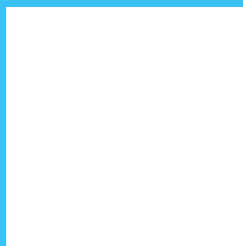
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5680, 45.7544, 94.0402

Background



This preview shows how black text looks on a background with the XYZ color 37.5680, 45.7544, 94.0402.



This preview shows how white text looks on a background with the XYZ color 37.5680, 45.7544,

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

37.5680, 45.7544, 94.0402

Protanopia

45.8833, 45.2773, 84.1630

Deuteranopia

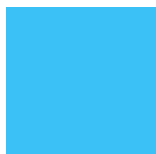
46.4950, 45.3150, 96.7386



Tritanopia

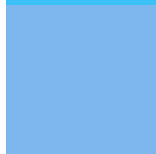
33.1152, 45.9728, 71.4183

Trichromacy



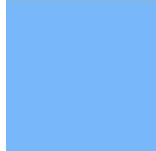
Original Color

37.5680, 45.7544, 94.0402



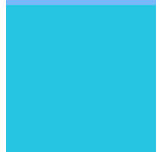
Protanomaly

40.9703, 44.4756, 87.3142



Deuteranomaly

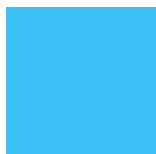
41.7781, 44.6996, 96.0485



Tritanomaly

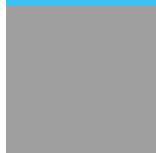
34.4930, 45.8356, 78.9807

Monochromacy



Original Color

37.5680, 45.7544, 94.0402



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

32.1353, 37.0984, 54.7572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5680, 45.7544, 94.0402 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(60, 193, 246)` looks like.

```
.text, #text, p{  
    color:rgb(60, 193, 246)  
}
```

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(60, 193, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 193, 246) }
```

Border

The CSS property to change the border of an element to XYZ 37.5680, 45.7544, 94.0402 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(60, 193, 246) }
```


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

```
.border{ border-color:rgb(60, 193, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 193, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 193, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 193, 246);  
box-shadow:4px 4px 4px 4px rgb(60, 193,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5680, 45.7544, 94.0402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 193, 246) }
```

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

```
.background{ background-color: rgb(60, 193,  
246) }
```

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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