

Converting Colors

XYZ(37.6454, 45.1397, 79.4017)

Have a look what the booklet for
XYZ(37.6454, 45.1397, 79.4017)
contains.

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Color

**XYZ(37.6454, 45.1397,
79.4017)**

Conversions

Conversions Part 1

Format	Color
Hex	65BEE3
RGB	101, 190, 227
RGB Percent	40%, 75%, 89%
CMY	0.6039, 0.2549, 0.1098
CMYK	0.56, 0.16, 0.00, 0.11
HSL	198°, 69%, 64%
HSV	198°, 56%, 89%
XYZ	37.6454, 45.1397, 79.4017
YIQ	167.6070, -64.9210, -7.3610

Conversions

Conversions Part 2

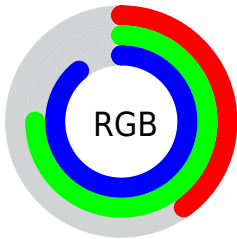
Format	Color
RYB	101, 153, 227
Decimal	6668003
CIELab	72.98, -16.36, -26.60
CIELCh	73, 31.227, 238.410
Yxy	45.1397, 0.2321, 0.2783
Android (android.graphics.Color)	4284858083 (0xFF65BEE3)
YUV	167.6070, 29.2807, -58.4143
Hunter-Lab	67.1861, -17.5593, -23.0397

Details

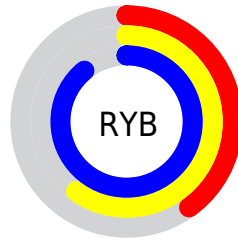
The XYZ color **37.6454, 45.1397, 79.4017** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.1172, 35.4489, 16.8832**, and the grayscale version is **36.9123, 38.8347, 42.2909**.

A 20% lighter version of the original color is **65.5030, 80.6051, 106.7137**, and **16.9877, 21.1770, 42.2219** is the 20% darker color. If you saturate the color by 10%, you get **34.0354, 41.1850, 78.8295**, and if you desaturate by 10%, it is **42.0262, 49.5916, 80.0310**.

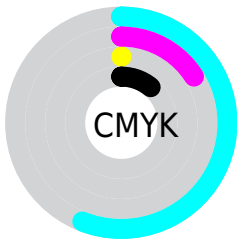
Distribution



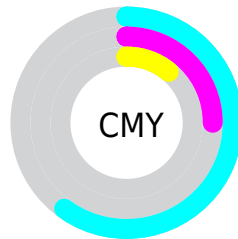
- Red (40%)
- Green (75%)
- Blue (89%)



- Red (40%)
- Yellow (60%)
- Blue (89%)



- Cyan (56%)
- Magenta (16%)
- Yellow (0%)
- Black (11%)



- Cyan (60%)
- Magenta (25%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6454, 45.1397, 79.4017 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 37.6454, 45.1397, 79.4017 by changing the saturation by 10% instead.

■ 37.6454, 45.1397,
79.4017

■ 37.6454, 45.1397,
79.4017

327.4036,
367.3391, 512.5677

■ 25.8836, 31.5675,
58.7029

■ 70.8717, 82.9300,
134.3280

■ 16.8688, 21.0313,
41.9555

■ 93.0669, 107.9169,
169.3926

■ 10.2357, 13.1469,
28.7412

■ 119.4705,
137.4774, 210.0828

■ 5.6190, 7.5298,
18.6412

■ 150.4481,
171.9960, 256.8172

■ 2.6532, 3.7956,
11.2371

186.3648,
211.8571, 310.0144

■ 0.9732, 1.5599,
6.1104

227.5860,

■ 0.0000, 0.3303,

257.4450, 370.0928

2.8425

274.4772,
309.1442, 437.4711

■ 0.0000, 0.0000,
1.0148

■ 0.0000, 0.0000,
0.0000

■ 37.6454, 45.1397,
79.4017

■ 37.6454, 45.1397,
79.4017

■ 34.0354, 41.1850,
78.8295

■ 42.0262, 49.5916,
80.0310

■ 31.1315, 37.6902,
78.3080

■ 47.2267, 54.5645,
80.7167

■ 28.8652, 34.6194,
77.8347

■ 53.2970, 60.0863,
81.4626

■ 27.1506, 31.9272,
77.4054

■ 60.2814, 66.1811,
82.2709

■ 26.4956, 30.8068,
77.2237

■ 68.2214, 72.8716,
83.1438

■ 77.1556, 80.1787,
84.0833

■ 85.2922, 87.1799,
85.0059

■ 87.2546, 91.1047,
85.6600

■ 89.2894, 95.1744,
86.3383

Harmonies

Analogous

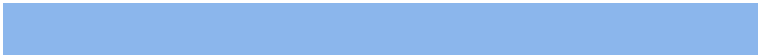
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.3312, 45.1397, 64.8553



37.6454, 45.1397, 79.4017



42.6138, 45.1397, 85.6665

Triad

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



37.6454, 45.1397, 79.4017



54.2545, 45.1397, 49.9870



38.1089, 45.1397, 27.1964

Complementary

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



37.6454, 45.1397, 79.4017



43.1172, 35.4489, 16.8832

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.



43.1954, 45.1397, 24.8396



37.6454, 45.1397, 79.4017



52.7967, 45.1397, 36.2090

Square

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



37.6454, 45.1397, 79.4017



52.4635, 45.1397, 66.6062



48.6307, 45.1397, 27.7615



34.5825, 45.1397, 35.0451

Rectangle

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



37.6454, 45.1397, 79.4017



46.2991, 45.1397, 83.4777



48.6307, 45.1397, 27.7615



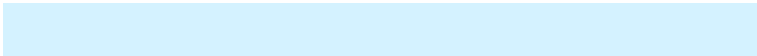
39.6789, 45.1397, 25.8194

Sweetspot

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



37.6469, 45.1414, 79.4028



76.9333, 84.8304, 106.9268



37.3311, 59.5035, 33.0737



16.0608, 17.8060, 22.8404



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.



37.6469, 45.1414, 79.4028



43.5104, 52.6933, 102.4853



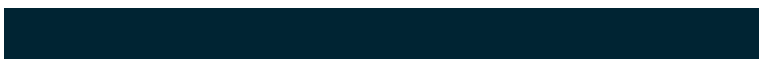
26.9918, 23.8311, 75.8511



14.4313, 15.5840, 18.3917



15.5578, 18.1777, 45.0718



1.2291, 1.5022, 3.3571

Inverse Universe

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



45.6277, 29.3574, 51.9786



55.4210, 32.0236, 60.9105



54.6135, 58.4415, 20.7153



14.8053, 14.5393, 17.1750



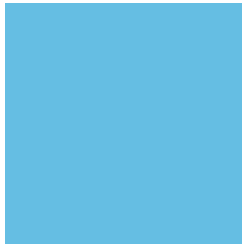
22.2464, 11.0328, 20.7241



1.6840, 0.8313, 1.7427

Previews

White Background



This preview shows how the XYZ color 37.6454, 45.1397, 79.4017 looks on a white background.

Color Contrast Check

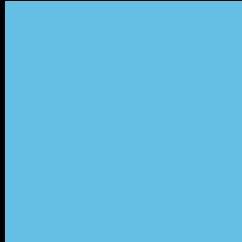
Large Text (above 18pt) WCAG AA × Fail

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 37.6454, 45.1397, 79.4017 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 37.6454, 45.1397, 79.4017

Background



This preview shows how black text looks on a background with the XYZ color 37.6454, 45.1397, 79.4017.



This preview shows how white text looks on a background with the XYZ color 37.6454, 45.1397,

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

37.6454, 45.1397, 79.4017

Protanopia

44.4119, 44.4954, 71.8934

Deuteranopia

45.7613, 44.6979, 81.0786



Tritanopia

35.1947, 45.1231, 67.1763

Trichromacy



Original Color

37.6454, 45.1397, 79.4017

Protanomaly

41.0766, 44.1975, 74.7726

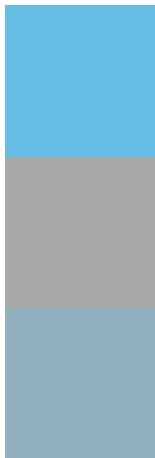
Deuteranomaly

41.9657, 44.2290, 80.4540

Tritanomaly

36.1741, 45.1985, 71.7834

Monochromacy



Original Color

37.6454, 45.1397, 79.4017

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.2122, 40.6541, 54.0825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6454, 45.1397, 79.4017 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(101, 190, 227)` looks like.

```
.text, #text, p{  
    color:rgb(101, 190, 227)  
}
```

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(101, 190, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 190, 227) }
```

Border

The CSS property to change the border of an element to XYZ 37.6454, 45.1397, 79.4017 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(101, 190, 227) }
```


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

```
.border{ border-color:rgb(101, 190, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 190, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 190, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 190, 227);  
box-shadow:4px 4px 4px 4px rgb(101, 190,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6454, 45.1397, 79.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 190, 227) }
```

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

```
.background{ background-color: rgb(101,  
190, 227) }
```

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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