

# Converting Colors

XYZ(34.5712, 42.6308, 74.5487)

Have a look what the booklet for  
XYZ(34.5712, 42.6308, 74.5487)  
contains.

<b>XYZ(34.6592, 42.7395, 74.8294)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(34.6592, 42.7395,  
74.8294)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56BBDD
RGB	86, 187, 221
RGB Percent	34%, 73%, 87%
CMY	0.6627, 0.2667, 0.1333
CMYK	0.61, 0.15, 0.00, 0.13
HSL	195°, 67%, 60%
HSV	195°, 61%, 87%
XYZ	34.6592, 42.7395, 74.8294
YIQ	160.6770, -71.1100, -10.8380

# Conversions

## Conversions Part 2

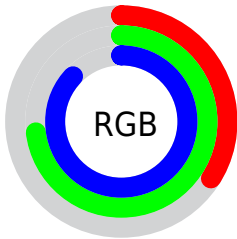
<b>Format</b>	<b>Color</b>
<b>RYB</b>	86, 144, 221
Decimal	5684189
CIELab	71.38, -19.41, -25.84
CIELCh	71, 32.323, 233.088
Yxy	42.7395, 0.2277, 0.2808
Android (android.graphics.Color)	4283874269 (0xFF56BBDD)
YUV	160.6770, 29.7392, -65.4917
Hunter-Lab	65.3755, -19.7742, -22.1011

# Details

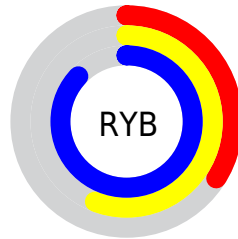
The XYZ color **34.6592, 42.7395, 74.8294** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **38.2163, 29.4786, 12.4813**, and the grayscale version is **33.6181, 35.3688, 38.5167**.

A 20% lighter version of the original color is **62.1332, 77.5242, 106.2966**, and **15.4080, 19.8034, 39.0867** is the 20% darker color. If you saturate the color by 10%, you get **31.7724, 39.5330, 74.3634**, and if you desaturate by 10%, it is **38.2234, 46.3649, 75.3421**.

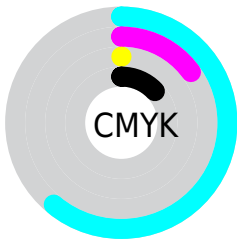
# Distribution



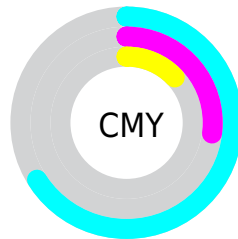
- Red (34%)
- Green (73%)
- Blue (87%)



- Red (34%)
- Yellow (56%)
- Blue (87%)



- Cyan (61%)
- Magenta (15%)
- Yellow (0%)
- Black (13%)



- Cyan (66%)
- Magenta (27%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6592, 42.7395, 74.8294 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 34.6592, 42.7395, 74.8294 by changing the saturation by 10% instead.



■ 34.6592, 42.7395,  
74.8294

■ 34.6592, 42.7395,  
74.8294

314.5959,  
357.5394, 496.5708

■ 23.5658, 29.6808,  
54.9723

■ 66.2950, 79.3176,  
127.8157

■ 15.1348, 19.5964,  
38.9811

■ 87.5680, 103.6058,  
161.7820

■ 9.0010, 12.1020,  
26.4373

■ 112.9650,  
132.4059, 201.2883

■ 4.7989, 6.8132,  
16.9224

■ 142.8512,  
166.1023, 246.7533

■ 2.1633, 3.3455,  
10.0178

177.5921,  
205.0795, 298.5956

■ 0.7233, 1.3147,  
5.3050

217.5529,

■ 0.0000, 0.1525,

249.7218, 357.2335

2.3654

263.0991,  
300.4136, 423.0857

■ 0.0000, 0.0000,  
0.7675

■ 0.0000, 0.0000,  
0.0000

■ 34.6592, 42.7395,  
74.8294

■ 34.6592, 42.7395,  
74.8294

■ 31.7724, 39.5330,  
74.3634

■ 38.2234, 46.3649,  
75.3421

■ 29.4983, 36.7087,  
73.9382

■ 42.5139, 50.4325,  
75.9011

■ 27.7658, 34.2300,  
73.5510

■ 47.5796, 54.9691,  
76.5098

■ 26.5681, 32.2542,  
73.2328

■ 53.4637, 59.9979,  
77.1703

■ 60.2063, 65.5401,  
77.8847

■ 67.8448, 71.6156,  
78.6548

■ 76.4140, 78.2433,  
79.4824

■ 83.0159, 83.9296,  
80.2320

■ 84.6034, 87.1046,  
80.7612

# Harmonies

## Analogous

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



31.7409, 42.7395, 59.2981



34.6592, 42.7395, 74.8294



39.3768, 42.7395, 83.0557

# Triad

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



34.6592, 42.7395, 74.8294



51.9154, 42.7395, 50.2349



36.6577, 42.7395, 24.0620

# Complementary

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



34.6592, 42.7395, 74.8294



38.2163, 29.4786, 12.4813

# 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.



41.8944, 42.7395, 22.6839



34.6592, 42.7395, 74.8294



51.0235, 42.7395, 35.7505

# Square

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



34.6592, 42.7395, 74.8294



49.5722, 42.7395, 66.9440



47.2336, 42.7395, 26.4599



32.8207, 42.7395, 30.7646



# Rectangle

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



34.6592, 42.7395, 74.8294



43.0373, 42.7395, 82.2340



47.2336, 42.7395, 26.4599



38.3000, 42.7395, 23.0327

# Sweetspot

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



34.6606, 42.7411, 74.8304



76.5552, 85.1548, 107.0094



33.0705, 55.0424, 26.5729



15.8273, 17.7614, 22.8441



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.



34.6606, 42.7411, 74.8304



43.0782, 53.6489, 102.6926



23.5768, 20.5735, 71.1358



13.1528, 14.2453, 16.7085



15.5282, 18.9259, 42.5730



1.0730, 1.3601, 2.7804



# Inverse Universe

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



42.1174, 25.6170, 49.7399



54.7586, 30.0577, 62.6661



49.3231, 51.6923, 16.1836



13.4670, 13.2159, 15.7203



21.3333, 10.5343, 21.9328

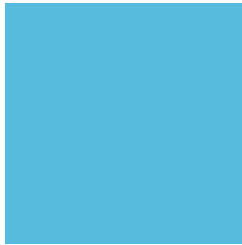


1.4159, 0.6960, 1.5989



# Previews

## White Background



This preview shows how the XYZ color 34.6592, 42.7395, 74.8294 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

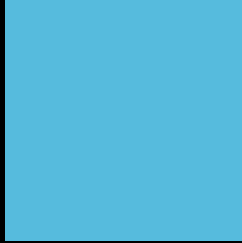
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.6592, 42.7395, 74.8294 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

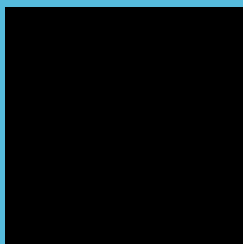
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

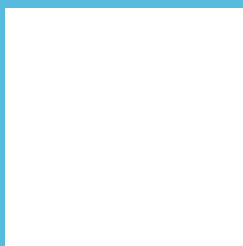
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.6592, 42.7395, 74.8294**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.6592, 42.7395, 74.8294.



This preview shows how white text looks on a background with the XYZ color 34.6592, 42.7395,



# 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

34.6592, 42.7395, 74.8294

### Protanopia

42.0274, 42.2075, 67.5598

### Deuteranopia

43.2578, 42.3486, 77.1283



## Tritanopia

32.6574, 42.8970, 64.3163

# Trichromacy



**Original Color**

34.6592, 42.7395, 74.8294

**Protanomaly**

38.1412, 41.5848, 70.3064

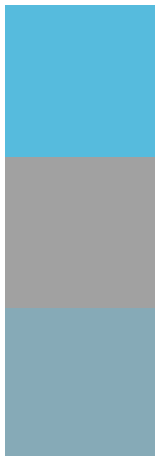
**Deuteranomaly**

39.1684, 41.9770, 76.5590

**Tritanomaly**

33.4351, 42.8922, 68.1448

# Monochromacy



**Original Color**

34.6592, 42.7395, 74.8294

**Achromatopsia**

33.8758, 35.6400, 38.8120

**Achromatomaly**

32.7535, 37.2367, 50.2609

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.6592, 42.7395, 74.8294 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(86, 187, 221)` looks like.

```
.text, #text, p{  
    color:rgb(86, 187, 221)  
}
```

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(86, 187, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 187, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 34.6592, 42.7395, 74.8294 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(86, 187, 221) }
```



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

```
.border{ border-color:rgb(86, 187, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 187, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 187, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 187, 221);  
box-shadow:4px 4px 4px 4px rgb(86, 187,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.6592, 42.7395, 74.8294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 187, 221) }
```

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

```
.background{ background-color: rgb(86, 187,  
221) }
```

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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