

# Converting Colors

XYZ(36.2216, 41.9975, 74.4336)

Have a look what the booklet for  
XYZ(36.2216, 41.9975, 74.4336)  
contains.

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# Color

**XYZ(36.2095, 41.9914,  
74.6033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EB6DD
RGB	110, 182, 221
RGB Percent	43%, 71%, 87%
CMY	0.5686, 0.2863, 0.1333
CMYK	0.50, 0.18, 0.00, 0.13
HSL	201°, 62%, 65%
HSV	201°, 50%, 87%
XYZ	36.2095, 41.9914, 74.6033
YIQ	164.9180, -55.4310, -3.1350

# Conversions

## Conversions Part 2

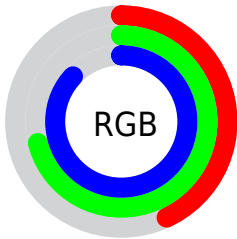
<b>Format</b>	<b>Color</b>
<b>RYB</b>	110, 154, 221
Decimal	7255773
CIELab	70.86, -11.95, -26.55
CIELCh	71, 29.118, 245.761
Yxy	41.9914, 0.2370, 0.2748
Android (android.graphics.Color)	4285445853 (0xFF6EB6DD)
YUV	164.9180, 27.6484, -48.1631
Hunter-Lab	64.8008, -13.6588, -22.8984

# Details

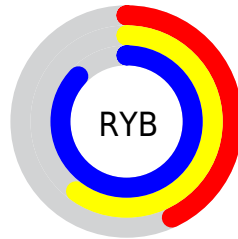
The XYZ color **36.2095, 41.9914, 74.6033** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.3818, 37.9940, 19.8004**, and the grayscale version is **35.6169, 37.4717, 40.8067**.

A 20% lighter version of the original color is **64.5609, 76.5846, 105.9873**, and **16.0486, 19.1318, 38.9233** is the 20% darker color. If you saturate the color by 10%, you get **32.2489, 37.6548, 73.9758**, and if you desaturate by 10%, it is **40.9466, 46.8609, 75.2943**.

# Distribution



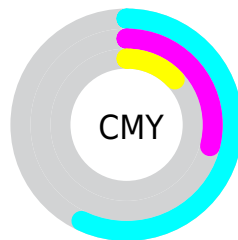
- Red (43%)
- Green (71%)
- Blue (87%)



- Red (43%)
- Yellow (60%)
- Blue (87%)



- Cyan (50%)
- Magenta (18%)
- Yellow (0%)
- Black (13%)



- Cyan (57%)
- Magenta (29%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2095, 41.9914, 74.6033 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 36.2095, 41.9914, 74.6033 by changing the saturation by 10% instead.



■ 36.2095, 41.9914,  
74.6033

■ 36.2095, 41.9914,  
74.6033

321.2906,  
354.4473, 495.7719

■ 24.7669, 29.0946,  
54.7882

■ 68.6771, 78.1866,  
127.4926

■ 16.0313, 19.1524,  
38.8347

■ 90.4327, 102.2538,  
161.4038

■ 9.6373, 11.7804,  
26.3243

■ 116.3568,  
130.8131, 200.8509

■ 5.2195, 6.5943,  
16.8385

146.8146,  
164.2492, 246.2523

■ 2.4127, 3.2097,  
9.9587

182.1716,  
202.9462, 298.0265

■ 0.8515, 1.2422,  
5.2663

222.7930,

■ 0.0000, 0.0958,

247.2886, 356.5922

2.3429

269.0442,  
297.6608, 422.3678

■ 0.0000, 0.0000,  
0.7551

■ 0.0000, 0.0000,  
0.0000

■ 36.2095, 41.9914,  
74.6033

■ 36.2095, 41.9914,  
74.6033

■ 32.2489, 37.6548,  
73.9758

■ 40.9466, 46.8609,  
75.2943

■ 29.0074, 33.8169,  
73.4058

■ 46.5042, 52.2855,  
76.0484

■ 26.4254, 30.4457,  
72.8912

■ 52.9274, 58.2913,  
76.8691

■ 24.4311, 27.5018,  
72.4281

■ 60.2569, 64.9012,  
77.7587

■ 22.9269, 24.9717,  
72.0190

■ 68.5305, 72.1367,  
78.7192

■ 77.7839, 80.0180,  
79.7527

■ 84.3895, 86.6769,  
80.6899

■ 86.6785, 91.2549,  
81.4529

■ 89.0659, 96.0298,  
82.2487

# Harmonies

## Analogous

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



32.8224, 41.9914, 63.1436



36.2095, 41.9914, 74.6033



40.8535, 41.9914, 77.7175

# Triad

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



36.2095, 41.9914, 74.6033



49.9113, 41.9914, 43.0967



34.7135, 41.9914, 27.3163

# Complementary

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



36.2095, 41.9914, 74.6033



43.3818, 37.9940, 19.8004

# 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.



38.9842, 41.9914, 23.9903



36.2095, 41.9914, 74.6033



47.9544, 41.9914, 31.8407

# Square

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



36.2095, 41.9914, 74.6033



49.0184, 41.9914, 57.5669



43.8577, 41.9914, 25.4612



32.0089, 41.9914, 35.6239



# Rectangle

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



36.2095, 41.9914, 74.6033



44.0968, 41.9914, 74.1893



43.8577, 41.9914, 25.4612



35.9999, 41.9914, 25.6643

# Sweetspot

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



36.2109, 41.9930, 74.6043



78.2126, 85.1767, 106.9262



37.7009, 57.1940, 37.4250



16.2853, 17.8193, 22.8311



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.



36.2109, 41.9930, 74.6043



44.4731, 51.9320, 102.2876



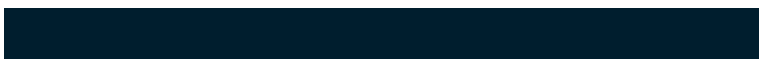
27.0271, 23.6254, 71.5430



13.0399, 14.0195, 16.6709



13.4285, 14.7264, 41.8731



0.9497, 1.1136, 2.7393



# Inverse Universe

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



43.8394, 29.9028, 47.7188



56.5627, 34.9913, 59.1818



54.3104, 59.8513, 23.4432



13.4100, 13.1931, 15.4203



20.2734, 10.1104, 16.3517



1.3537, 0.6711, 1.2714



# Previews

## White Background



This preview shows how the XYZ color 36.2095, 41.9914, 74.6033 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

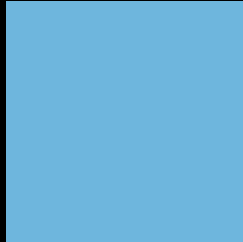
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.2095, 41.9914, 74.6033 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 36.2095, 41.9914, 74.6033**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.2095, 41.9914, 74.6033.



This preview shows how white text looks on a background with the XYZ color 36.2095, 41.9914,



# 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

36.2095, 41.9914, 74.6033

### Protanopia

41.6774, 41.7164, 68.8062

### Deuteranopia

42.7296, 41.8127, 76.3396



## Tritanopia

33.6950, 42.2184, 61.6314

# Trichromacy



## Original Color

36.2095, 41.9914, 74.6033

## Protanomaly

39.2262, 41.5471, 70.9177

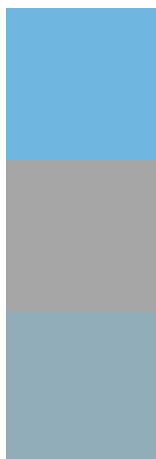
## Deuteranomaly

39.7830, 41.4395, 75.7139

## Tritanomaly

34.6780, 42.3162, 66.0146

# Monochromacy



## Original Color

36.2095, 41.9914, 74.6033

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

34.9969, 38.6483, 51.5143

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.2095, 41.9914, 74.6033 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(110, 182, 221)` looks like.

```
.text, #text, p{  
    color:rgb(110, 182, 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(110, 182, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 182, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 36.2095, 41.9914, 74.6033 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(110, 182, 221) }
```



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

```
.border{ border-color:rgb(110, 182, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 182, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 182, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 182, 221);  
box-shadow:4px 4px 4px 4px rgb(110, 182,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.2095, 41.9914, 74.6033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 182, 221) }
```

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

```
.background{ background-color: rgb(110,  
182, 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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