

# Converting Colors

XYZ(35.4048, 42.6583, 63.9861)

Have a look what the booklet for  
XYZ(35.4048, 42.6583, 63.9861)  
contains.

<b>XYZ(35.4386, 42.7505, 64.1415)</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(35.4386, 42.7505,  
64.1415)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73B9CD
RGB	115, 185, 205
RGB Percent	45%, 73%, 80%
CMY	0.5490, 0.2745, 0.1961
CMYK	0.44, 0.10, 0.00, 0.20
HSL	193°, 47%, 63%
HSV	193°, 44%, 80%
XYZ	35.4386, 42.7505, 64.1415
YIQ	166.3500, -48.1400, -8.6200

# Conversions

## Conversions Part 2

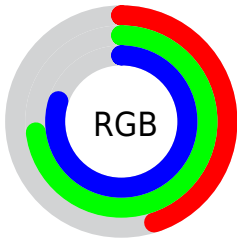
Format	Color
R <sub>Y</sub> B	115, 154, 205
Decimal	7584205
CIE Lab	71.39, -16.79, -16.99
CIE LCh	71, 23.887, 225.349
Yxy	42.7505, 0.2490, 0.3004
Android (android.graphics.Color)	4285774285 (0xFF73B9CD)
YUV	166.3500, 19.0545, -45.0339
Hunter-Lab	65.3839, -17.6733, -12.3947

# Details

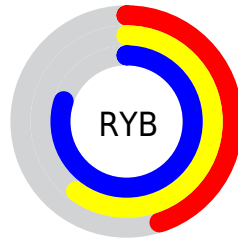
The XYZ color **35.4386, 42.7505, 64.1415** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.9362, 31.5457, 20.3630**, and the grayscale version is **36.3432, 38.2359, 41.6389**.

A 20% lighter version of the original color is **66.2999, 78.7885, 106.3211**, and **15.6408, 19.6667, 32.2499** is the 20% darker color. If you saturate the color by 10%, you get **32.0993, 39.6379, 63.7175**, and if you desaturate by 10%, it is **39.4105, 46.2365, 64.6058**.

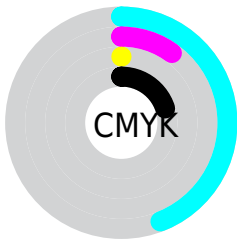
# Distribution



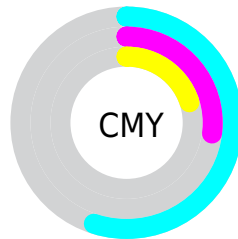
- Red (45%)
- Green (73%)
- Blue (80%)



- Red (45%)
- Yellow (60%)
- Blue (80%)



- Cyan (44%)
- Magenta (10%)
- Yellow (0%)
- Black (20%)



- Cyan (55%)
- Magenta (27%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4386, 42.7505, 64.1415 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 35.4386, 42.7505, 64.1415 by changing the saturation by 10% instead.



■ 35.4386, 42.7505,  
64.1415

■ 35.4386, 42.7505,  
64.1415

317.9743,  
357.5847, 457.9219

■ 24.1690, 29.6894,  
46.3184

■ 67.4942, 79.3342,  
112.4161

■ 15.5845, 19.6030,  
32.1467

■ 89.0110, 103.6256,  
143.7047

■ 9.3196, 12.1068,  
21.2078

■ 114.6742,  
132.4293, 180.3188

■ 5.0090, 6.8164,  
13.0833

144.8492,  
166.1295, 222.6771

■ 2.2873, 3.3476,  
7.3545

179.9014,  
205.1108, 271.1980

■ 0.7882, 1.3158,  
3.6030

220.1960,

■ 0.0000, 0.1534,

249.7575, 326.3001

1.4102

266.0985,  
300.4540, 388.4019

■ 0.0000, 0.0000,  
0.1496

■ 0.0000, 0.0000,  
0.0000

■ 35.4386, 42.7505,  
64.1415

■ 35.4386, 42.7505,  
64.1415

■ 32.0993, 39.6379,  
63.7175

■ 39.4105, 46.2365,  
64.6058

■ 29.3482, 36.8724,  
63.3287

■ 44.0478, 50.1103,  
65.1091

■ 27.1411, 34.4318,  
62.9739

■ 49.3856, 54.3915,  
65.6541

■ 25.4257, 32.2888,  
62.6507

■ 55.4556, 59.0966,  
66.2424

■ 24.1386, 30.4103,  
62.3559

■ 62.2872, 64.2413,  
66.8753

■ 23.4950, 29.3586,  
62.1869

■ 69.9083, 69.8403,  
67.5544

■ 77.0441, 75.2369,  
68.2199

■ 78.2338, 77.6163,  
68.6165

■ 79.4561, 80.0609,  
69.0239

# Harmonies

## Analogous

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



33.6248, 42.7505, 52.6576



35.4386, 42.7505, 64.1415



38.7089, 42.7505, 71.4216

# Triad

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



35.4386, 42.7505, 64.1415



48.5806, 42.7505, 52.3756



38.6210, 42.7505, 28.2957

# Complementary

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



35.4386, 42.7505, 64.1415



36.9362, 31.5457, 20.3630

# 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.



42.6200, 42.7505, 28.2457



35.4386, 42.7505, 64.1415



48.5532, 42.7505, 40.9303

# Square

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



35.4386, 42.7505, 64.1415



46.3844, 42.7505, 63.9059



46.3118, 42.7505, 32.5074



35.3779, 42.7505, 32.6576



# Rectangle

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



35.4386, 42.7505, 64.1415



41.3579, 42.7505, 72.2543



46.3118, 42.7505, 32.5074



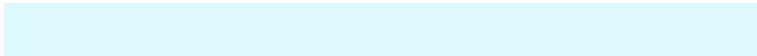
39.9167, 42.7505, 27.8011

# Sweetspot

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



35.4399, 42.7521, 64.1425



81.5832, 89.6358, 107.6093



33.2406, 49.0436, 30.4531



17.0177, 18.8351, 22.9886



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

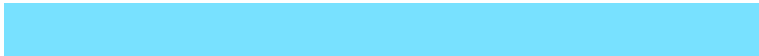


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.4399, 42.7521, 64.1425



52.6917, 65.0358, 104.3838



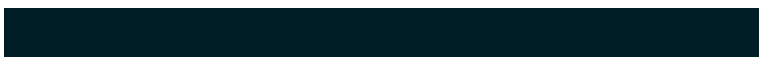
27.5421, 26.9565, 61.5099



11.3236, 12.2876, 14.3453



14.6996, 18.4232, 38.7376



0.8119, 1.0575, 2.0163



# Inverse Universe

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



40.0656, 28.7445, 49.3372



61.5248, 40.0914, 75.7074



44.4928, 46.6590, 22.8819



11.5767, 11.3594, 13.5715



19.6306, 9.6628, 21.5711



1.0397, 0.5093, 1.2552



# Previews

## White Background



This preview shows how the XYZ color 35.4386, 42.7505, 64.1415 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

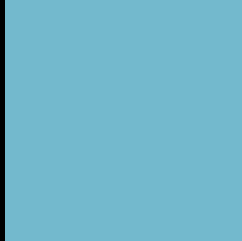
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.4386, 42.7505, 64.1415 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

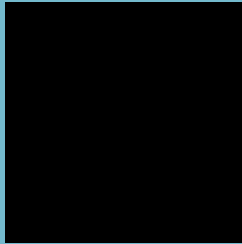
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.4386, 42.7505, 64.1415**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.4386, 42.7505, 64.1415.



This preview shows how white text looks on a background with the XYZ color 35.4386, 42.7505,



# 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

35.4386, 42.7505, 64.1415

### Protanopia

41.5992, 42.4644, 58.8273

### Deuteranopia

43.2155, 42.3022, 65.5619



## **Tritanopia**

35.0410, 42.9123, 61.6944

# Trichromacy



## Original Color

35.4386, 42.7505, 64.1415

## Protanomaly

38.7251, 42.0984, 60.7284

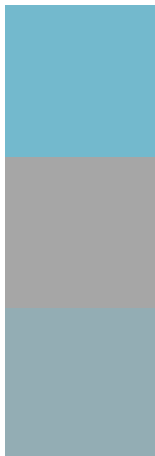
## Deuteranomaly

39.7293, 41.9372, 65.0322

## Tritanomaly

35.1590, 42.9595, 62.3160

# Monochromacy



## Original Color

35.4386, 42.7505, 64.1415

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

35.2144, 39.3855, 48.9262

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.4386, 42.7505, 64.1415 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(115, 185, 205)` looks like.

```
.text, #text, p{  
    color:rgb(115, 185, 205)  
}
```

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(115, 185, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 185, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 35.4386, 42.7505, 64.1415 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(115, 185, 205) }
```



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

```
.border{ border-color:rgb(115, 185, 205) }
```

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

Here you see how a box with a 4 pixel rgb(115, 185, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 185, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 185, 205);  
box-shadow:4px 4px 4px 4px rgb(115, 185,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.4386, 42.7505, 64.1415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 185, 205) }
```

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

```
.background{ background-color: rgb(115,  
185, 205) }
```

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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