

# Converting Colors

XYZ(25.6825, 31.5731, 65.9423)

Have a look what the booklet for  
XYZ(25.6825, 31.5731, 65.9423)  
contains.

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# Color

**XYZ(25.6713, 31.5974,  
65.7187)**

# Conversions

## Conversions Part 1

Format	Color
Hex	25A4D2
RGB	37, 164, 210
RGB Percent	15%, 64%, 82%
CMY	0.8548, 0.3569, 0.1765
CMYK	0.82, 0.22, 0.00, 0.18
HSL	196°, 70%, 48%
HSV	196°, 82%, 82%
XYZ	25.6713, 31.5974, 65.7187
YIQ	131.2710, -90.4580, -12.6180

# Conversions

## Conversions Part 2

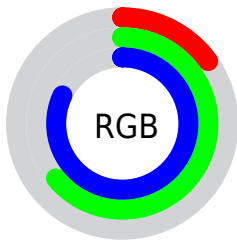
Format	Color
R <sub>Y</sub> B	37, 110, 210
Decimal	2467026
CIE Lab	63.01, -17.35, -32.80
CIE LCh	63, 37.107, 242.117
Yxy	31.5974, 0.2087, 0.2569
Android (android.graphics.Color)	4280657106 (0xFF25A4D2)
YUV	131.2710, 38.8134, -82.6757
Hunter-Lab	56.2116, -16.8509, -29.9697

# Details

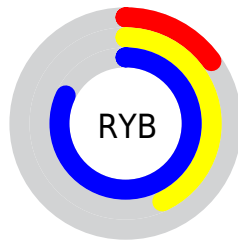
The XYZ color **25.6713, 31.5974, 65.7187** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **30.0074, 20.0245, 4.0353**, and the grayscale version is **21.5612, 22.6840, 24.7029**.

A 20% lighter version of the original color is **50.0636, 61.3278, 103.8066**, and **11.7106, 13.9549, 33.0867** is the 20% darker color. If you saturate the color by 10%, you get **24.1452, 29.3600, 65.3679**, and if you desaturate by 10%, it is **27.6762, 34.1479, 66.1060**.

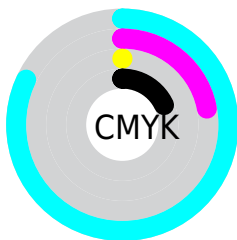
# Distribution



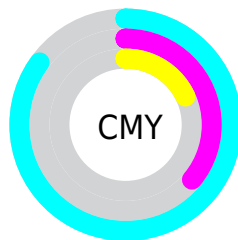
- Red (15%)
- Green (64%)
- Blue (82%)



- Red (15%)
- Yellow (43%)
- Blue (82%)



- Cyan (82%)
- Magenta (22%)
- Yellow (0%)
- Black (18%)



- Cyan (85%)
- Magenta (36%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.6713, 31.5974, 65.7187 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 25.6713, 31.5974, 65.7187 by changing the saturation by 10% instead.



■ 25.6713, 31.5974,  
65.7187

■ 25.6713, 31.5974,  
65.7187

273.4511,  
309.2812, 463.7469

■ 16.7093, 21.0542,  
47.5890

■ 52.1793, 62.1794,  
114.7056

■ 10.1215, 13.1636,  
33.1439

■ 70.4560, 82.9870,  
146.4000

■ 5.5424, 7.5413,  
21.9647

■ 92.5683, 107.9848,  
183.4530

■ 2.6069, 3.8029,  
13.6329

■ 118.8815,  
137.5572, 226.2833

■ 0.9495, 1.5639,  
7.7299

■ 149.7611,  
172.0887, 275.3092

■ 0.0000, 0.3331,  
3.8374

185.5723,

■ 0.0000, 0.0000,

211.9636, 330.9495

1.5365

226.6805,  
257.5663, 393.6225

■ 0.0000, 0.0000,  
0.2449

■ 0.0000, 0.0000,  
0.0000

■ 25.6713, 31.5974,  
65.7187

■ 25.6713, 31.5974,  
65.7187

■ 24.1452, 29.3600,  
65.3679

■ 27.6762, 34.1479,  
66.1060

■ 23.2148, 27.8168,  
65.1191

■ 30.2221, 37.0426,  
66.5305

■ 33.3646, 40.3117,  
66.9959

■ 37.1511, 43.9803,  
67.5044

■ 41.6242, 48.0712,  
68.0583

■ 46.8227, 52.6051,  
68.6594

■ 52.7822, 57.6011,  
69.3096

■ 59.5360, 63.0771,  
70.0107

■ 67.1153, 69.0499,  
70.7641

# Harmonies

## Analogous

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



22.4615, 31.5974, 51.6206



25.6713, 31.5974, 65.7187



30.3965, 31.5974, 70.8418

# Triad

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



25.6713, 31.5974, 65.7187



40.9495, 31.5974, 33.3761



25.1097, 31.5974, 15.6632

# Complementary

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



25.6713, 31.5974, 65.7187



30.0074, 20.0245, 4.0353

# 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.



29.6712, 31.5974, 13.2625



25.6713, 31.5974, 65.7187



39.1379, 31.5974, 21.5171

# Square

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



25.6713, 31.5974, 65.7187



39.5721, 31.5974, 49.2988



34.8614, 31.5974, 15.0566



22.1640, 31.5974, 22.8596



# Rectangle

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



25.6713, 31.5974, 65.7187



33.8821, 31.5974, 67.5760



34.8614, 31.5974, 15.0566



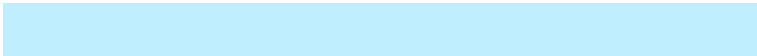
26.4859, 31.5974, 14.3780

# Sweetspot

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



25.6724, 31.5985, 65.7195



70.1873, 79.5058, 106.2546



25.2682, 47.0704, 15.3943



14.4070, 16.4809, 22.6718



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

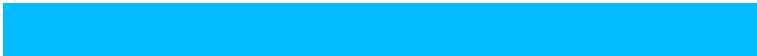


# Same Dimension

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



25.6724, 31.5985, 65.7195



36.0373, 43.1472, 101.0366



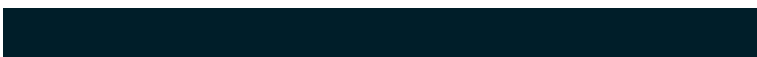
15.2846, 10.8228, 62.2569



11.8814, 12.8530, 15.0983



14.2468, 17.1402, 39.7500



0.8598, 1.0848, 2.2436



# Inverse Universe

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



33.9418, 17.7064, 36.7517



50.3307, 24.9406, 49.6646



40.6867, 41.3833, 7.5951



12.1710, 11.9531, 14.1763



19.8219, 9.8016, 19.7659



1.1402, 0.5608, 1.2731



# Previews

## White Background



This preview shows how the XYZ color 25.6713, 31.5974, 65.7187 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

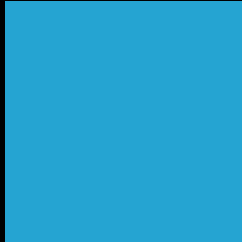
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.6713, 31.5974, 65.7187 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 25.6713, 31.5974, 65.7187**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.6713, 31.5974, 65.7187.



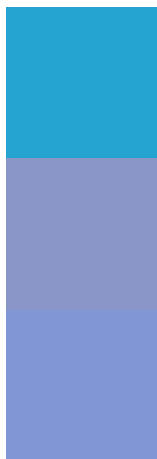
This preview shows how white text looks on a background with the XYZ color 25.6713, 31.5974,



# 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

25.6713, 31.5974, 65.7187

### Protanopia

31.6964, 31.3395, 58.4114

### Deuteranopia

31.9698, 31.2839, 67.3042



## Tritanopia

22.4461, 31.3827, 49.1304

# Trichromacy



## Original Color

25.6713, 31.5974, 65.7187

## Protanomaly

27.8677, 30.5212, 60.9223

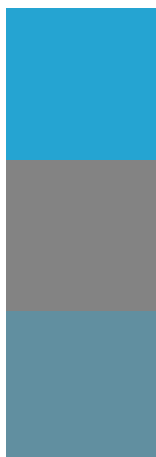
## Deuteranomaly

28.4289, 30.6830, 66.7114

## Tritanomaly

23.4991, 31.5288, 54.7163

# Monochromacy



## Original Color

25.6713, 31.5974, 65.7187

## Achromatopsia

21.5731, 22.6966, 24.7166

## Achromatomaly

21.0974, 24.7244, 36.9180

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.6713, 31.5974, 65.7187 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(37, 164, 210)` looks like.

```
.text, #text, p{  
    color:rgb(37, 164, 210)  
}
```

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(37, 164, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 164, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 25.6713, 31.5974, 65.7187 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(37, 164, 210) }
```



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

```
.border{ border-color:rgb(37, 164, 210) }
```

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

Here you see how a box with a 4 pixel rgb(37, 164, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 164, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 164, 210);  
box-shadow:4px 4px 4px 4px rgb(37, 164,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.6713, 31.5974, 65.7187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 164, 210) }
```

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

```
.background{ background-color: rgb(37, 164,  
210) }
```

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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