

Converting Colors

XYZ(37.3523, 47.7388, 93.6333)

Have a look what the booklet for
XYZ(37.3523, 47.7388, 93.6333)
contains.

XYZ(37.3058, 47.6461, 93.6166)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.3058, 47.6461,
93.6166)**

Conversions

Conversions Part 1

Format	Color
Hex	19C7F5
RGB	25, 199, 245
RGB Percent	10%, 78%, 96%
CMY	0.9018, 0.2196, 0.0392
CMYK	0.90, 0.19, 0.00, 0.04
HSL	193°, 92%, 53%
HSV	193°, 90%, 96%
XYZ	37.3058, 47.6461, 93.6166
YIQ	152.2180, -118.4700, -22.5820

Conversions

Conversions Part 2

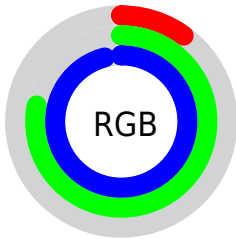
Format	Color
R _Y B	25, 122, 245
Decimal	1689589
CIE Lab	74.60, -24.44, -33.97
CIE LCh	75, 41.846, 234.270
Yxy	47.6461, 0.2089, 0.2668
Android (android.graphics.Color)	4279879669 (0xFF19C7F5)
YUV	152.2180, 45.7415, -111.5702
Hunter-Lab	69.0262, -24.3239, -32.0936

Details

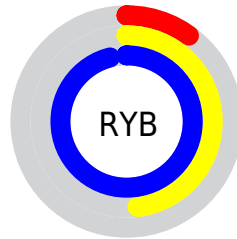
The XYZ color **37.3058, 47.6461, 93.6166** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **40.0880, 23.9941, 3.4403**, and the grayscale version is **29.7898, 31.3412, 34.1305**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **19.3107, 23.9249, 51.7443** is the 20% darker color. If you saturate the color by 10%, you get **35.7532, 45.1258, 93.2129**, and if you desaturate by 10%, it is **39.3971, 50.5047, 94.0591**.

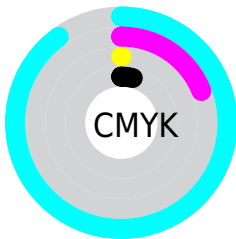
Distribution



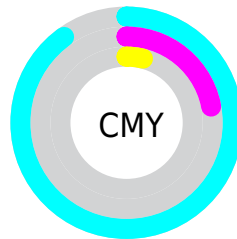
- Red (10%)
- Green (78%)
- Blue (96%)



- Red (10%)
- Yellow (48%)
- Blue (96%)



- Cyan (90%)
- Magenta (19%)
- Yellow (0%)
- Black (4%)





- Cyan (90%)
- Magenta (22%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3058, 47.6461, 93.6166 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 37.3058, 47.6461, 93.6166 by changing the saturation by 10% instead.


 37.3058, 47.6461,
93.6166


 37.3058, 47.6461,
93.6166


325.9652,
377.3876, 560.5974


 25.6191, 33.5467,
70.3936


 70.3536, 86.6772,
154.3311


 16.6701, 22.5456,
51.3687


 92.4455, 112.3778,
192.6596


 10.0934, 14.2583,
36.1233


 118.7365,
142.7142, 236.8605

 5.5237, 8.3006,
24.2390

 149.5919,
178.0708, 287.3521

 2.5956, 4.2879,
15.2972

 185.3771,
218.8321, 344.5531

 0.9437, 1.8359,
8.8793

226.4575,

 0.0000, 0.5094,

265.3824, 408.8819

4.5668

273.1984,
318.1061, 480.7572

■ 0.0000, 0.0000,
1.9412

■ 0.0000, 0.0000,
0.5187

■ 37.3058, 47.6461,
93.6166

■ 37.3058, 47.6461,
93.6166

■ 35.7532, 45.1258,
93.2129

■ 39.3971, 50.5047,
94.0591

■ 35.7215, 45.0724,
93.2043

■ 42.1702, 53.7734,
94.5438

■ 45.7179, 57.5014,
95.0764

■ 50.1166, 61.7288,
95.6606

■ 55.4334, 66.4906,
96.2995

■ 61.7286, 71.8184,
96.9960

■ 69.0570, 77.7410,
97.7530

■ 77.4692, 84.2851,
98.5728

■ 87.0127, 91.4756,
99.4577

Harmonies

Analogous

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



33.2692, 47.6461, 70.9716



37.3058, 47.6461, 93.6166



43.8482, 47.6461, 105.4021

Triad

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



37.3058, 47.6461, 93.6166



61.3704, 47.6461, 56.1536



39.5622, 47.6461, 22.3972

Complementary

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



37.3058, 47.6461, 93.6166



40.0880, 23.9941, 3.4403

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.



46.7553, 47.6461, 20.4695



37.3058, 47.6461, 93.6166



59.8959, 47.6461, 36.5593

Square

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



37.3058, 47.6461, 93.6166



58.1615, 47.6461, 80.2328



54.3305, 47.6461, 24.8602



34.4667, 47.6461, 31.1417

Rectangle

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



37.3058, 47.6461, 93.6166



48.9701, 47.6461, 103.6822



54.3305, 47.6461, 24.8602



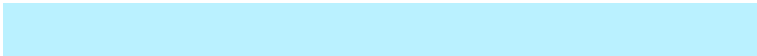
41.7918, 47.6461, 21.0550

Sweetspot

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



37.3074, 47.6478, 93.6178



69.6738, 80.3532, 106.4453



34.1297, 65.9427, 16.5645



14.3590, 16.7432, 22.7249



0.0000, 0.0000, 0.0000



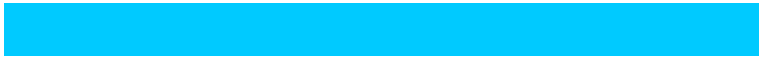
20.3446, 21.4041, 23.3091

Same Dimension

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



37.3074, 47.6478, 93.6178



39.0942, 49.3085, 102.0647



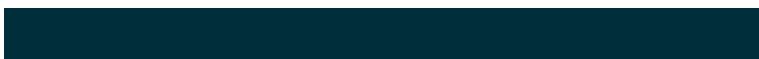
20.6268, 14.2865, 88.0576



16.6853, 18.1349, 21.1635



19.3472, 24.4882, 50.2450



1.7725, 2.2964, 4.4401

Inverse Universe

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



48.3141, 24.2332, 56.1654



51.8622, 25.5089, 57.8655



53.9550, 51.7281, 8.0626



17.0565, 16.7054, 20.0440



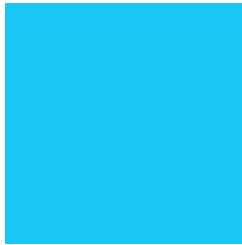
25.5701, 12.5715, 28.7742



2.2837, 1.1195, 2.7205

Previews

White Background



This preview shows how the XYZ color 37.3058, 47.6461, 93.6166 looks on a white background.

Color Contrast Check

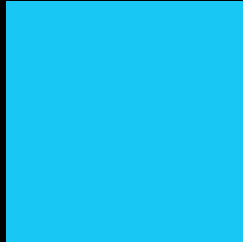
Large Text (above 18pt) WCAG AA × Fail

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 37.3058, 47.6461, 93.6166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

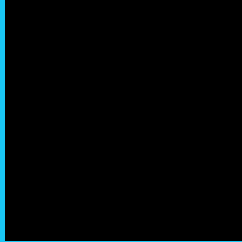
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3058, 47.6461, 93.6166

Background



This preview shows how black text looks on a background with the XYZ color 37.3058, 47.6461, 93.6166.



This preview shows how white text looks on a background with the XYZ color 37.3058, 47.6461,

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

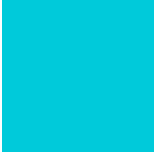
37.3058, 47.6461, 93.6166

Protanopia

47.1072, 46.8471, 82.1609

Deuteranopia

48.1181, 47.0591, 96.1698



Tritanopia

33.7754, 47.3030, 73.6799

Trichromacy



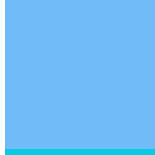
Original Color

37.3058, 47.6461, 93.6166



Protanomaly

40.2468, 45.3787, 85.9946



Deuteranomaly

41.3957, 45.7627, 95.4582



Tritanomaly

35.0029, 47.4328, 80.7094

Monochromacy



Original Color

37.3058, 47.6461, 93.6166



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

28.9948, 34.9853, 51.6790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3058, 47.6461, 93.6166 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(25, 199, 245)` looks like.

```
.text, #text, p{  
    color:rgb(25, 199, 245)  
}
```

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(25, 199, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 199, 245) }
```

Border

The CSS property to change the border of an element to XYZ 37.3058, 47.6461, 93.6166 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(25, 199, 245) }
```


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

```
.border{ border-color:rgb(25, 199, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 199, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 199, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 199, 245);  
box-shadow:4px 4px 4px 4px rgb(25, 199,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3058, 47.6461, 93.6166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 199, 245) }
```

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

```
.background{ background-color: rgb(25, 199,  
245) }
```

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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