

Converting Colors

XYZ(36.5433, 46.7039, 93.4514)

Have a look what the booklet for
XYZ(36.5433, 46.7039, 93.4514)
contains.

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Color

**XYZ(36.4602, 46.5315,
93.4460)**

Conversions

Conversions Part 1

Format	Color
Hex	01C5F5
RGB	1, 197, 245
RGB Percent	0%, 77%, 96%
CMY	0.9958, 0.2274, 0.0392
CMYK	1.00, 0.20, 0.00, 0.04
HSL	192°, 99%, 48%
HSV	192°, 100%, 96%
XYZ	36.4602, 46.5315, 93.4460
YIQ	143.8680, -132.2240, -26.6240

Conversions

Conversions Part 2

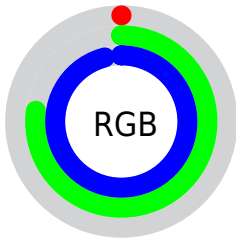
Format	Color
R _Y B	1, 110, 245
Decimal	116213
CIE Lab	73.89, -24.15, -35.08
CIE LCh	74, 42.593, 235.452
Yxy	46.5315, 0.2066, 0.2637
Android (android.graphics.Color)	4278306293 (0xFF01C5F5)
YUV	143.8680, 49.8581, -125.2952
Hunter-Lab	68.2140, -23.9667, -33.4713

Details

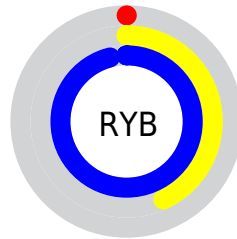
The XYZ color **36.4602, 46.5315, 93.4460** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **38.7637, 21.6176, 2.1603**, and the grayscale version is **26.3092, 27.6794, 30.1428**.

A 20% lighter version of the original color is **60.1739, 81.5484, 107.1767**, and **19.0078, 23.3190, 51.6433** is the 20% darker color. If you saturate the color by 10%, you get **36.4005, 46.4305, 93.4306**, and if you desaturate by 10%, it is **37.9758, 48.9648, 93.8367**.

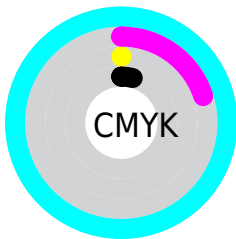
Distribution



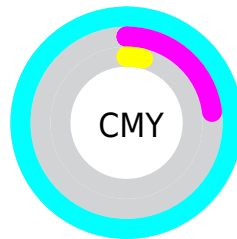
- Red (0%)
- Green (77%)
- Blue (96%)



- Red (0%)
- Yellow (43%)
- Blue (96%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (23%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4602, 46.5315, 93.4460 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 36.4602, 46.5315, 93.4460 by changing the saturation by 10% instead.


 36.4602, 46.5315,
93.4460


 36.4602, 46.5315,
93.4460


322.3638,
372.9414, 560.0347

 24.9616, 32.6654,
70.2525

 69.0610, 85.0139,
154.0930


 16.1770, 21.8703,
51.2544


 90.8939, 110.3990,
192.3836

 9.7411, 13.7616,
36.0329


 116.9023,
140.3926, 236.5436

 5.2886, 7.9550,
24.1697

 147.4515,
175.3790, 286.9917

 2.4541, 4.0662,
15.2462

 182.9069,
215.7427, 344.1463

 0.8722, 1.7107,
8.8438

223.6339,

 0.0000, 0.4305,

261.8681, 408.4260

4.5440

269.9977,
314.1395, 480.2493

■ 0.0000, 0.0000,
1.9283

■ 0.0000, 0.0000,
0.5107

■ 36.4602, 46.5315,
93.4460

■ 36.4602, 46.5315,
93.4460

■ 36.4005, 46.4305,
93.4306

■ 37.9758, 48.9648,
93.8367

■ 40.0273, 51.7260,
94.2616

■ 42.7599, 54.8913,
94.7285

■ 46.2643, 58.5079,
95.2419

■ 50.6168, 62.6154,
95.8053

■ 55.8842, 67.2489,
96.4220

■ 62.1265, 72.4397,
97.0950

■ 69.3984, 78.2164,
97.8267

■ 77.7504, 84.6055,
98.6197

Harmonies

Analogous

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



32.3208, 46.5315, 70.8200



36.4602, 46.5315, 93.4460



43.0802, 46.5315, 104.7551

Triad

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



36.4602, 46.5315, 93.4460



60.4180, 46.5315, 54.0502



38.2501, 46.5315, 21.5325

Complementary

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



36.4602, 46.5315, 93.4460



38.7637, 21.6176, 2.1603

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.



45.3936, 46.5315, 19.3904



36.4602, 46.5315, 93.4460



58.7474, 46.5315, 34.7501

Square

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



36.4602, 46.5315, 93.4460



57.3608, 46.5315, 78.2378



53.0247, 46.5315, 23.4598



33.2683, 46.5315, 30.4761

Rectangle

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



36.4602, 46.5315, 93.4460



48.2277, 46.5315, 102.5341



53.0247, 46.5315, 23.4598



40.4535, 46.5315, 20.1261

Sweetspot

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



36.4618, 46.5331, 93.4472



67.6695, 79.0331, 106.2961



33.1552, 65.5080, 13.4602



13.8421, 16.3887, 22.6837



0.0000, 0.0000, 0.0000



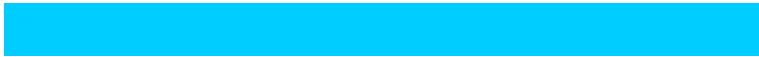
20.3446, 21.4041, 23.3091

Same Dimension

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



36.4618, 46.5331, 93.4472



39.8390, 50.7979, 102.3130



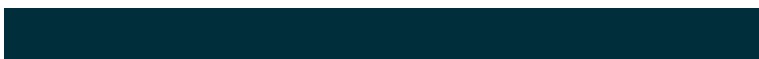
19.2419, 12.0933, 87.7072



16.7035, 18.1712, 21.1696



19.7089, 25.2116, 50.3656



1.8013, 2.3539, 4.4497

Inverse Universe

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



47.7465, 23.4673, 54.8378



52.2381, 25.6592, 59.8450



51.6202, 47.3306, 6.4458



17.0657, 16.7091, 20.0923



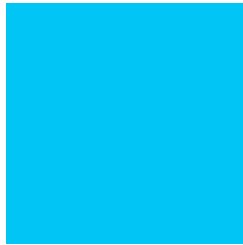
25.7527, 12.6445, 29.7355



2.2983, 1.1253, 2.7970

Previews

White Background



This preview shows how the XYZ color 36.4602, 46.5315, 93.4460 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 36.4602, 46.5315, 93.4460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

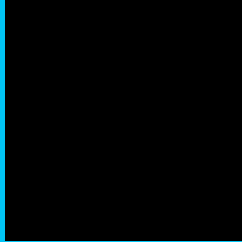
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4602, 46.5315, 93.4460

Background



This preview shows how black text looks on a background with the XYZ color 36.4602, 46.5315, 93.4460.



This preview shows how white text looks on a background with the XYZ color 36.4602, 46.5315,

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

36.4602, 46.5315, 93.4460

Protanopia

46.2805, 45.8258, 82.0073

Deuteranopia

47.1198, 45.9494, 96.0082



Tritanopia

33.0489, 46.2664, 72.1542

Trichromacy



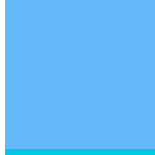
Original Color

36.4602, 46.5315, 93.4460



Protanomaly

38.5527, 43.8799, 85.7946



Deuteranomaly

39.6591, 44.2419, 95.2562



Tritanomaly

34.2886, 46.3929, 79.8206

Monochromacy



Original Color

36.4602, 46.5315, 93.4460



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

25.8513, 31.8059, 48.4927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4602, 46.5315, 93.4460 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(1, 197, 245)` looks like.

```
.text, #text, p{  
    color:rgb(1, 197, 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(1, 197, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 197, 245) }
```

Border

The CSS property to change the border of an element to XYZ 36.4602, 46.5315, 93.4460 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(1, 197, 245) }
```


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

```
.border{ border-color:rgb(1, 197, 245) }
```

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

Here you see how a box with a 4 pixel rgb(1, 197, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 197, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 197, 245);  
box-shadow:4px 4px 4px 4px rgb(1, 197,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4602, 46.5315, 93.4460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 197, 245) }
```

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

```
.background{ background-color: rgb(1, 197,  
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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