

Converting Colors

XYZ(36.4197, 45.8912, 95.2175)

Have a look what the booklet for
XYZ(36.4197, 45.8912, 95.2175)
contains.

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Color

**XYZ(36.3036, 45.7456,
94.9121)**

Conversions

Conversions Part 1

Format	Color
Hex	00C3F7
RGB	0, 195, 247
RGB Percent	0%, 76%, 97%
CMY	0.9997, 0.2353, 0.0314
CMYK	1.00, 0.21, 0.00, 0.03
HSL	193°, 100%, 48%
HSV	193°, 100%, 97%
XYZ	36.3036, 45.7456, 94.9121
YIQ	142.6230, -132.9120, -25.1680

Conversions

Conversions Part 2

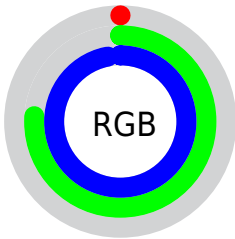
Format	Color
RYB	0, 109, 247
Decimal	50167
CIELab	73.38, -22.48, -36.95
CIELCh	73, 43.250, 238.681
Yxy	45.7456, 0.2051, 0.2585
Android (android.graphics.Color)	4278240247 (0xFF00C3F7)
YUV	142.6230, 51.4579, -125.0804
Hunter-Lab	67.6355, -22.5516, -35.8561

Details

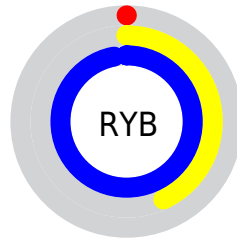
The XYZ color **36.3036, 45.7456, 94.9121** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **39.5897, 22.2367, 2.2075**, and the grayscale version is **25.8069, 27.1508, 29.5673**.

A 20% lighter version of the original color is **59.5425, 80.2856, 106.9662**, and **18.8191, 22.7675, 52.1179** is the 20% darker color. If you saturate the color by 10%, you get **36.3010, 45.7401, 94.9121**, and if you desaturate by 10%, it is **37.8854, 48.3222, 95.3270**.

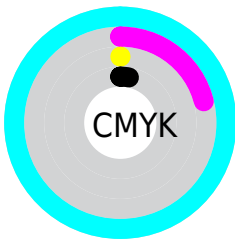
Distribution



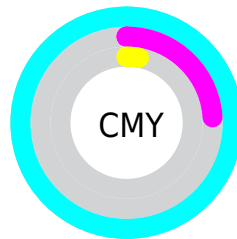
- Red (0%)
- Green (76%)
- Blue (97%)



- Red (0%)
- Yellow (43%)
- Blue (97%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (24%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3036, 45.7456, 94.9121 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 36.3036, 45.7456, 94.9121 by changing the saturation by 10% instead.


 36.3036, 45.7456,
94.9121


 36.3036, 45.7456,
94.9121


321.6937,
369.7849, 564.8607


 24.8400, 32.0451,
71.4653


 68.8212, 83.8381,
156.1377

 16.0860, 21.3960,
52.2379


 90.6059, 108.9990,
194.7536

 9.6762, 13.4137,
36.8112


 116.5617,
138.7487, 239.2630

 5.2454, 7.7141,
24.7667

 147.0538,
173.4718, 290.0844

 2.4282, 3.9125,
15.6859

 182.4477,
213.5525, 347.6363

 0.8592, 1.6248,
9.1502

223.1088,

 0.0000, 0.3742,

259.3754, 412.3373

4.7411

269.4023,
311.3247, 484.6059

■ 0.0000, 0.0000,
2.0401

■ 0.0000, 0.0000,
0.5798

■ 36.3036, 45.7456,
94.9121

■ 36.3036, 45.7456,
94.9121

■ 36.3010, 45.7401,
94.9121

■ 37.8854, 48.3222,
95.3270

■ 40.0065, 51.2369,
95.7778

■ 42.8225, 54.5713,
96.2730

■ 46.4268, 58.3742,
96.8170

■ 50.8979, 62.6864,
97.4137

■ 56.3042, 67.5440,
98.0664

■ 62.7072, 72.9791,
98.7780

■ 70.1632, 79.0213,
99.5513

■ 78.7238, 85.6978,
100.3888

Harmonies

Analogous

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



31.8567, 45.7456, 72.7689



36.3036, 45.7456, 94.9121



43.1435, 45.7456, 104.5998

Triad

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



36.3036, 45.7456, 94.9121



59.8239, 45.7456, 50.7810



36.8239, 45.7456, 21.3325

Complementary

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



36.3036, 45.7456, 94.9121



39.5897, 22.2367, 2.2075

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.



43.8179, 45.7456, 18.5462



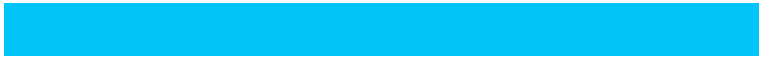
36.3036, 45.7456, 94.9121



57.6334, 45.7456, 32.2714

Square

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



36.3036, 45.7456, 94.9121



57.2275, 45.7456, 74.9436



51.5444, 45.7456, 21.8858



32.1316, 45.7456, 31.0353

Rectangle

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



36.3036, 45.7456, 94.9121



48.3407, 45.7456, 101.0362



51.5444, 45.7456, 21.8858



38.9563, 45.7456, 19.7073

Sweetspot

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



36.3052, 45.7472, 94.9132



67.3595, 78.4132, 106.1928



33.8261, 66.7483, 14.0574



13.7674, 16.2392, 22.6588



0.0000, 0.0000, 0.0000



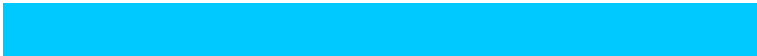
20.3446, 21.4041, 23.3091

Same Dimension

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



36.3052, 45.7472, 94.9132



39.0071, 49.1342, 102.0357



19.2483, 11.6335, 89.2276



16.6832, 18.1306, 21.1628



19.3049, 24.4036, 50.2309



1.7691, 2.2896, 4.4389

Inverse Universe

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



48.2095, 23.7161, 53.6679



51.8182, 25.4913, 57.6339



53.2872, 49.6317, 6.7734



17.0554, 16.7050, 20.0383



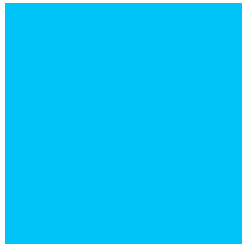
25.5487, 12.5629, 28.6617



2.2820, 1.1188, 2.7115

Previews

White Background



This preview shows how the XYZ color 36.3036, 45.7456, 94.9121 looks on a white background.

Color Contrast Check

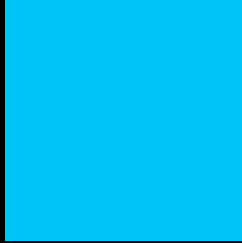
Large Text (above 18pt) WCAG AA × Fail

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 36.3036, 45.7456, 94.9121 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

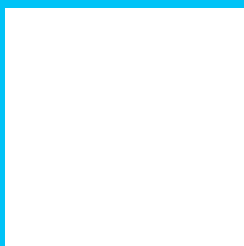
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3036, 45.7456, 94.9121

Background



This preview shows how black text looks on a background with the XYZ color 36.3036, 45.7456, 94.9121.

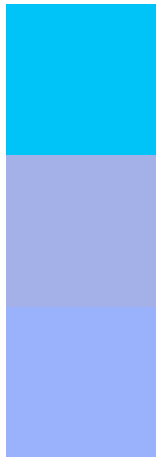


This preview shows how white text looks on a background with the XYZ color 36.3036, 45.7456,

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

36.3036, 45.7456, 94.9121

Protanopia

45.7400, 45.2200, 83.4084

Deuteranopia

46.4612, 45.2793, 97.5578



Tritanopia

32.5610, 45.7019, 70.7235

Trichromacy



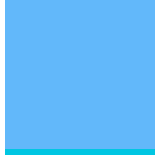
Original Color

36.3036, 45.7456, 94.9121



Protanomaly

38.2820, 43.3971, 87.2477



Deuteranomaly

39.4328, 43.7798, 96.8145



Tritanomaly

33.9216, 45.8792, 79.0192

Monochromacy



Original Color

36.3036, 45.7456, 94.9121



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

25.5752, 31.4010, 48.4291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3036, 45.7456, 94.9121 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(0, 195, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 247)  
}
```

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(0, 195, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 247) }
```

Border

The CSS property to change the border of an element to XYZ 36.3036, 45.7456, 94.9121 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(0, 195, 247) }
```


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

```
.border{ border-color:rgb(0, 195, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 195, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 195, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 195,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3036, 45.7456, 94.9121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 195, 247) }
```

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

```
.background{ background-color: rgb(0, 195,  
247) }
```

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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