

Converting Colors

XYZ(36.4037, 45.7972, 94.9168)

Have a look what the booklet for
XYZ(36.4037, 45.7972, 94.9168)
contains.

XYZ(36.4037, 45.7972, 94.9168)	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(36.4037, 45.7972,
94.9168)**

Conversions

Conversions Part 1

Format	Color
Hex	08C3F7
RGB	8, 195, 247
RGB Percent	3%, 76%, 97%
CMY	0.9684, 0.2353, 0.0314
CMYK	0.97, 0.21, 0.00, 0.03
HSL	193°, 94%, 50%
HSV	193°, 97%, 97%
XYZ	36.4037, 45.7972, 94.9168
YIQ	145.0150, -128.1440, -23.4720

Conversions

Conversions Part 2

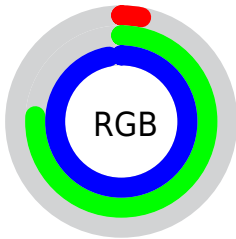
Format	Color
RYB	8, 113, 247
Decimal	574455
CIELab	73.41, -22.29, -36.89
CIELCh	73, 43.106, 238.857
Yxy	45.7972, 0.2055, 0.2586
Android (android.graphics.Color)	4278764535 (0xFF08C3F7)
YUV	145.0150, 50.2786, -120.1622
Hunter-Lab	67.6736, -22.4083, -35.7867

Details

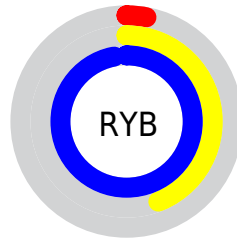
The XYZ color **36.4037, 45.7972, 94.9168** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **40.0217, 23.0307, 2.5676**, and the grayscale version is **26.7680, 28.1620, 30.6684**.

A 20% lighter version of the original color is **59.7998, 80.4182, 106.9782**, and **18.8191, 22.7675, 52.1179** is the 20% darker color. If you saturate the color by 10%, you get **35.9132, 44.9646, 94.7829**, and if you desaturate by 10%, it is **38.1503, 48.5187, 95.3510**.

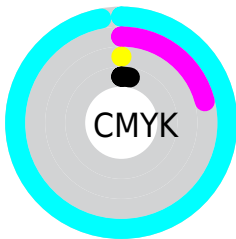
Distribution



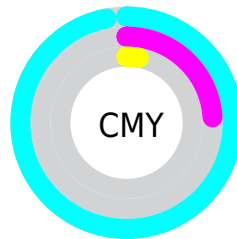
- Red (3%)
- Green (76%)
- Blue (97%)



- Red (3%)
- Yellow (44%)
- Blue (97%)



- Cyan (97%)
- Magenta (21%)
- Yellow (0%)
- Black (3%)





- Cyan (97%)
- Magenta (24%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4037, 45.7972, 94.9168 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 36.4037, 45.7972, 94.9168 by changing the saturation by 10% instead.


 36.4037, 45.7972,
94.9168


 36.4037, 45.7972,
94.9168


322.1222,
369.9927, 564.8761

 24.9177, 32.0858,
71.4692


 68.9745, 83.9154,
156.1442


 16.1441, 21.4271,
52.2410

 90.7900, 109.0910,
194.7612

 9.7177, 13.4365,
36.8137


 116.7794,
138.8568, 239.2717

 5.2730, 7.7298,
24.7686

 147.3081,
173.5972, 290.0943

 2.4447, 3.9226,
15.6873

 182.7413,
213.6966, 347.6474

 0.8675, 1.6303,
9.1512

223.4445,

 0.0000, 0.3779,

259.5394, 412.3498

4.7418

269.7830,
311.5100, 484.6198

■ 0.0000, 0.0000,
2.0405

■ 0.0000, 0.0000,
0.5800

■ 36.4037, 45.7972,
94.9168

■ 36.4037, 45.7972,
94.9168

■ 35.9132, 44.9646,
94.7829

■ 38.1503, 48.5187,
95.3510

■ 40.5147, 51.6230,
95.8255

■ 43.6092, 55.1693,
96.3470

■ 47.5214, 59.2035,
96.9194

■ 52.3262, 63.7648,
97.5466

■ 58.0898, 68.8879,
98.2317

■ 64.8716, 74.6042,
98.9776

■ 72.7265, 80.9423,
99.7870

■ 81.7050, 87.9291,
100.6624

Harmonies

Analogous

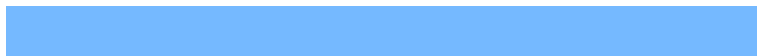
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.9491, 45.7972, 72.8997



36.4037, 45.7972, 94.9168



43.2381, 45.7972, 104.4668

Triad

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



36.4037, 45.7972, 94.9168



59.8252, 45.7972, 50.7047



36.8536, 45.7972, 21.4696

Complementary

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



36.4037, 45.7972, 94.9168



40.0217, 23.0307, 2.5676

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.



43.8210, 45.7972, 18.6465



36.4037, 45.7972, 94.9168



57.6148, 45.7972, 32.2796

Square

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



36.4037, 45.7972, 94.9168



57.2641, 45.7972, 74.7777



51.5279, 45.7972, 21.9490



32.1868, 45.7972, 31.2098

Rectangle

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



36.4037, 45.7972, 94.9168



48.4221, 45.7972, 100.8474



51.5279, 45.7972, 21.9490



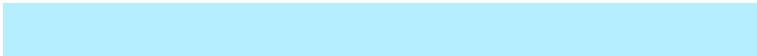
38.9769, 45.7972, 19.8317

Sweetspot

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



36.4053, 45.7988, 94.9179



67.9569, 78.7280, 106.2221



34.1734, 66.8988, 15.3639



13.8732, 16.2858, 22.6622



0.0000, 0.0000, 0.0000



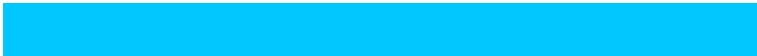
20.3446, 21.4041, 23.3091

Same Dimension

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



36.4053, 45.7988, 94.9179



38.5897, 48.2995, 101.8966



19.4580, 11.9041, 89.2688



16.6728, 18.1099, 21.1594



19.1021, 23.9980, 50.1633



1.7529, 2.2572, 4.4335

Inverse Universe

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



48.2963, 23.8897, 53.6968



51.6075, 25.4070, 56.5246



54.5833, 52.1539, 7.4215



17.0502, 16.7029, 20.0108



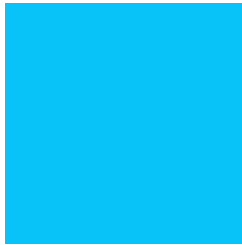
25.4464, 12.5220, 28.1227



2.2739, 1.1155, 2.6685

Previews

White Background



This preview shows how the XYZ color 36.4037, 45.7972, 94.9168 looks on a white background.

Color Contrast Check

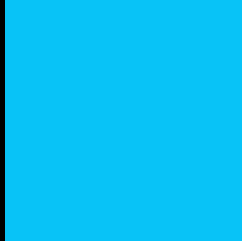
Large Text (above 18pt) WCAG AA × Fail

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 36.4037, 45.7972, 94.9168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

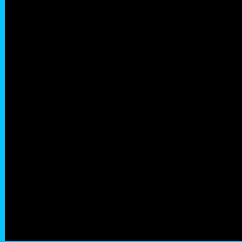
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4037, 45.7972, 94.9168

Background



This preview shows how black text looks on a background with the XYZ color 36.4037, 45.7972, 94.9168.

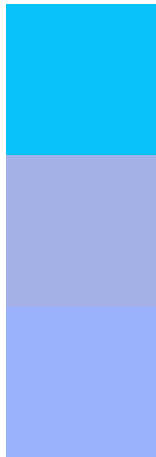


This preview shows how white text looks on a background with the XYZ color 36.4037, 45.7972,

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

36.4037, 45.7972, 94.9168

Protanopia

45.7400, 45.2200, 83.4084

Deuteranopia

46.4612, 45.2793, 97.5578



Tritanopia

32.5610, 45.7019, 70.7235

Trichromacy



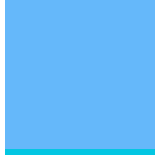
Original Color

36.4037, 45.7972, 94.9168



Protanomaly

38.6365, 43.5798, 87.2643



Deuteranomaly

39.7626, 43.9498, 96.8299



Tritanomaly

33.9591, 45.8985, 79.0210

Monochromacy



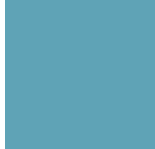
Original Color

36.4037, 45.7972, 94.9168



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

26.2600, 32.0047, 49.0494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4037, 45.7972, 94.9168 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(8, 195, 247)` looks like.

```
.text, #text, p{  
    color:rgb(8, 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(8, 195, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 195, 247) }
```

Border

The CSS property to change the border of an element to XYZ 36.4037, 45.7972, 94.9168 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(8, 195, 247) }
```


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

```
.border{ border-color:rgb(8, 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(8, 195, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 195, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 195, 247);  
box-shadow:4px 4px 4px 4px rgb(8, 195,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4037, 45.7972, 94.9168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 195, 247) }
```

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

```
.background{ background-color: rgb(8, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor