

Converting Colors

XYZ(36.9476, 47.3164, 93.4215)

Have a look what the booklet for
XYZ(36.9476, 47.3164, 93.4215)
contains.

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Color

**XYZ(37.0708, 47.5250,
93.6056)**

Conversions

Conversions Part 1

Format	Color
Hex	0DC7F5
RGB	13, 199, 245
RGB Percent	5%, 78%, 96%
CMY	0.9488, 0.2196, 0.0392
CMYK	0.95, 0.19, 0.00, 0.04
HSL	192°, 92%, 51%
HSV	192°, 95%, 96%
XYZ	37.0708, 47.5250, 93.6056
YIQ	148.6300, -125.6220, -25.1260

Conversions

Conversions Part 2

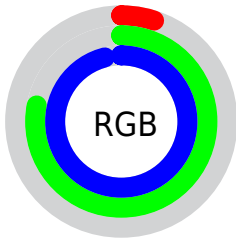
Format	Color
RYB	13, 116, 245
Decimal	903157
CIELab	74.52, -24.88, -34.09
CIELCh	75, 42.205, 233.885
Yxy	47.5250, 0.2080, 0.2667
Android (android.graphics.Color)	4279093237 (0xFF0DC7F5)
YUV	148.6300, 47.5104, -118.9475
Hunter-Lab	68.9384, -24.6559, -32.2480

Details

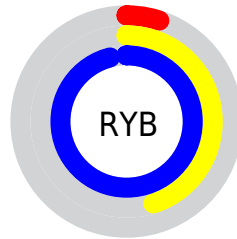
The XYZ color **37.0708, 47.5250, 93.6056** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **39.2963, 22.5754, 2.6690**, and the grayscale version is **28.2641, 29.7360, 32.3825**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **19.3107, 23.9249, 51.7443** is the 20% darker color. If you saturate the color by 10%, you get **36.3149, 46.2593, 93.4021**, and if you desaturate by 10%, it is **38.8246, 50.1162, 94.0143**.

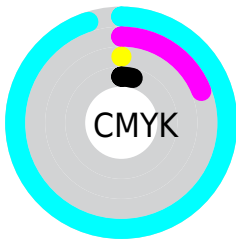
Distribution



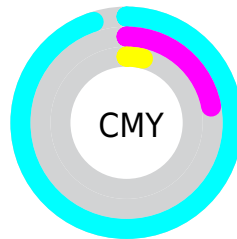
- Red (5%)
- Green (78%)
- Blue (96%)



- Red (5%)
- Yellow (45%)
- Blue (96%)



- Cyan (95%)
- Magenta (19%)
- Yellow (0%)
- Black (4%)



- Cyan (95%)
- Magenta (22%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0708, 47.5250, 93.6056 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 37.0708, 47.5250, 93.6056 by changing the saturation by 10% instead.

■ 37.0708, 47.5250,
93.6056

■ 37.0708, 47.5250,
93.6056

■ 324.9672,
376.9062, 560.5612

■ 25.4362, 33.4509,
70.3845

■ 69.9948, 86.4968,
154.3157

■ 16.5328, 22.4721,
51.3613

■ 92.0149, 112.1632,
192.6418

■ 9.9952, 14.2042,
36.1175

■ 118.2276,
142.4625, 236.8400

■ 5.4580, 8.2628,
24.2346

■ 148.9983,
177.7791, 287.3289

■ 2.5559, 4.2636,
15.2939

■ 184.6922,
218.4974, 344.5268

■ 0.9235, 1.8221,
8.8770

225.6747,

■ 0.0000, 0.5009,

265.0017, 408.8525

4.5653

272.3113,
317.6766, 480.7244

■ 0.0000, 0.0000,
1.9403

■ 0.0000, 0.0000,
0.5182

■ 37.0708, 47.5250,
93.6056

■ 37.0708, 47.5250,
93.6056

■ 36.3149, 46.2593,
93.4021

■ 38.8246, 50.1162,
94.0143

■ 41.2036, 53.0823,
94.4614

■ 44.3109, 56.4778,
94.9530

■ 48.2292, 60.3459,
95.4931

■ 53.0299, 64.7237,
96.0851

■ 58.7761, 69.6442,
96.7320

■ 65.5251, 75.1375,
97.4366

■ 73.3295, 81.2311,
98.2014

■ 82.2381, 87.9507,
99.0289

Harmonies

Analogous

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



33.0505, 47.5250, 70.6727



37.0708, 47.5250, 93.6056



43.6276, 47.5250, 105.7147

Triad

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



37.0708, 47.5250, 93.6056



61.3690, 47.5250, 56.3485



39.4923, 47.5250, 22.0714

Complementary

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



37.0708, 47.5250, 93.6056



39.2963, 22.5754, 2.6690

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.



46.7506, 47.5250, 20.2238



37.0708, 47.5250, 93.6056



59.9427, 47.5250, 36.5426

Square

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



37.0708, 47.5250, 93.6056



58.0768, 47.5250, 80.6422



54.3729, 47.5250, 24.7035



34.3346, 47.5250, 30.7382

Rectangle

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



37.0708, 47.5250, 93.6056



48.7806, 47.5250, 104.1323



54.3729, 47.5250, 24.7035



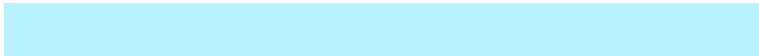
41.7442, 47.5250, 20.7564

Sweetspot

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



37.0724, 47.5267, 93.6068



69.1295, 80.1771, 106.4399



33.5231, 65.6729, 14.5969



14.1183, 16.6077, 22.7114



0.0000, 0.0000, 0.0000



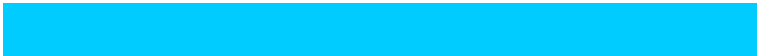
20.3446, 21.4041, 23.3091

Same Dimension

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



37.0724, 47.5267, 93.6068



39.7451, 50.6101, 102.2817



20.0166, 13.4151, 87.9215



16.7012, 18.1667, 21.1688



19.6633, 25.1204, 50.3504



1.7976, 2.3467, 4.4484

Inverse Universe

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



48.1103, 23.8256, 56.0975



52.1907, 25.6403, 59.5954



52.3969, 48.7766, 7.0358



17.0645, 16.7087, 20.0863



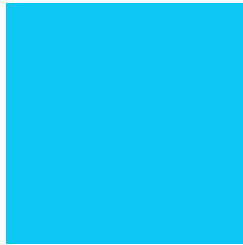
25.7296, 12.6353, 29.6143



2.2964, 1.1245, 2.7873

Previews

White Background



This preview shows how the XYZ color 37.0708, 47.5250, 93.6056 looks on a white background.

Color Contrast Check

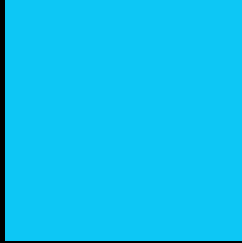
Large Text (above 18pt) WCAG AA × Fail

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 37.0708, 47.5250, 93.6056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

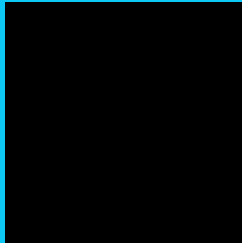
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0708, 47.5250, 93.6056

Background



This preview shows how black text looks on a background with the XYZ color 37.0708, 47.5250, 93.6056.



This preview shows how white text looks on a background with the XYZ color 37.0708, 47.5250,

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

37.0708, 47.5250, 93.6056

Protanopia

47.1072, 46.8471, 82.1609

Deuteranopia

48.1181, 47.0591, 96.1698



Tritanopia

33.7754, 47.3030, 73.6799

Trichromacy



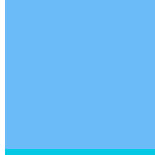
Original Color

37.0708, 47.5250, 93.6056



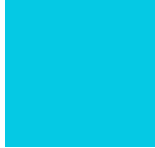
Protanomaly

39.5927, 45.0415, 85.9640



Deuteranomaly

40.7770, 45.4438, 95.4293



Tritanomaly

34.9528, 47.4070, 80.7070

Monochromacy



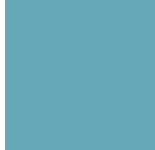
Original Color

37.0708, 47.5250, 93.6056



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

27.7260, 33.8074, 50.4116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0708, 47.5250, 93.6056 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(13, 199, 245)` looks like.

```
.text, #text, p{  
    color:rgb(13, 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(13, 199, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 199, 245) }
```

Border

The CSS property to change the border of an element to XYZ 37.0708, 47.5250, 93.6056 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(13, 199, 245) }
```


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

```
.border{ border-color:rgb(13, 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(13, 199, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 199, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 199, 245);  
box-shadow:4px 4px 4px 4px rgb(13, 199,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0708, 47.5250, 93.6056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 199, 245) }
```

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

```
.background{ background-color: rgb(13, 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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