

Converting Colors

XYZ(36.1657, 46.6280, 91.2954)

Have a look what the booklet for
XYZ(36.1657, 46.6280, 91.2954)
contains.

XYZ(36.2211, 46.7990, 91.1285)	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(36.2211, 46.7990,
91.1285)**

Conversions

Conversions Part 1

Format	Color
Hex	00C6F2
RGB	0, 198, 242
RGB Percent	0%, 78%, 95%
CMY	0.9997, 0.2235, 0.0510
CMYK	1.00, 0.18, 0.00, 0.05
HSL	191°, 100%, 47%
HSV	191°, 100%, 95%
XYZ	36.2211, 46.7990, 91.1285
YIQ	143.8140, -132.1320, -28.2920

Conversions

Conversions Part 2

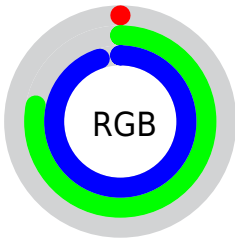
Format	Color
RYB	0, 109, 242
Decimal	50930
CIELab	74.06, -25.69, -33.20
CIELCh	74, 41.980, 232.266
Yxy	46.7990, 0.2080, 0.2687
Android (android.graphics.Color)	4278241010 (0xFF00C6F2)
YUV	143.8140, 48.4057, -126.1249
Hunter-Lab	68.4098, -25.2063, -31.0932

Details

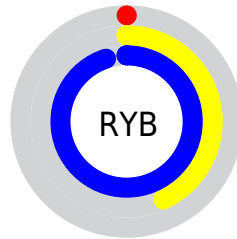
The XYZ color **36.2211, 46.7990, 91.1285** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **37.5218, 20.6838, 2.0166**, and the grayscale version is **26.2926, 27.6619, 30.1238**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **18.8362, 23.4917, 49.9960** is the 20% darker color. If you saturate the color by 10%, you get **36.2191, 46.7947, 91.1287**, and if you desaturate by 10%, it is **37.6256, 49.0391, 91.4878**.

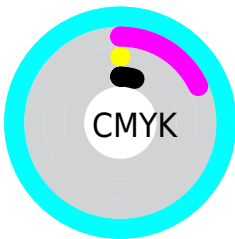
Distribution



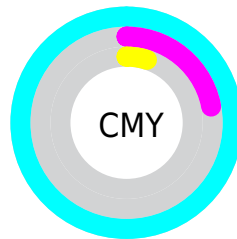
- Red (0%)
- Green (78%)
- Blue (95%)



- Red (0%)
- Yellow (43%)
- Blue (95%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (22%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2211, 46.7990, 91.1285 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 36.2211, 46.7990, 91.1285 by changing the saturation by 10% instead.

36.2211, 46.7990,
91.1285

36.2211, 46.7990,
91.1285

321.3403,
374.0116, 552.3596

24.7759, 32.8768,
68.3380

68.6948, 85.4135,
150.8541

16.0380, 22.0321,
49.7044

90.4541, 110.8746,
188.6264

9.6421, 13.8805,
34.8090

116.3821,
140.9508, 232.2296

5.2227, 8.0376,
23.2334

146.8441,
176.0264, 282.0823

2.4146, 4.1190,
14.5590

182.2056,
216.4859, 338.6032

0.8524, 1.7404,
8.3673

222.8319,

0.0000, 0.4496,

262.7137, 402.2106

4.2398

269.0884,
315.0942, 473.3232

■ 0.0000, 0.0000,
1.7578

■ 0.0000, 0.0000,
0.3999

■ 36.2211, 46.7990,
91.1285

■ 36.2211, 46.7990,
91.1285

■ 36.2191, 46.7947,
91.1287

■ 37.6256, 49.0391,
91.4878

■ 39.5338, 51.5817,
91.8780

■ 42.0951, 54.5052,
92.3073

■ 45.3980, 57.8554,
92.7799

■ 49.5170, 61.6712,
93.2993

■ 54.5170, 65.9863,
93.8687

■ 60.4565, 70.8312,
94.4908

■ 67.3887, 76.2336,
95.1682

■ 75.3627, 82.2193,
95.9033

Harmonies

Analogous

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



32.4182, 46.7990, 68.2753



36.2211, 46.7990, 91.1285



42.5673, 46.7990, 103.8600

Triad

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



36.2211, 46.7990, 91.1285



60.3677, 46.7990, 56.7224



39.2340, 46.7990, 21.4803

Complementary

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



36.2211, 46.7990, 91.1285



37.5218, 20.6838, 2.0166

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.



46.4513, 46.7990, 19.9946



36.2211, 46.7990, 91.1285



59.2169, 46.7990, 36.8455

Square

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



36.2211, 46.7990, 91.1285



56.8978, 46.7990, 80.6647



53.9100, 46.7990, 24.7611



34.0165, 46.7990, 29.6173

Rectangle

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



36.2211, 46.7990, 91.1285



47.6180, 46.7990, 102.9502



53.9100, 46.7990, 24.7611



41.4850, 46.7990, 20.3004

Sweetspot

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



36.2227, 46.8006, 91.1297



68.0063, 79.7067, 106.4084



32.1430, 63.6613, 12.6361



13.9234, 16.5513, 22.7108



0.0000, 0.0000, 0.0000



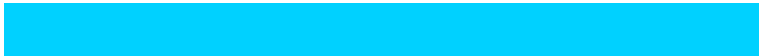
20.3446, 21.4041, 23.3091

Same Dimension

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



36.2227, 46.8006, 91.1297



40.7586, 52.6373, 102.6195



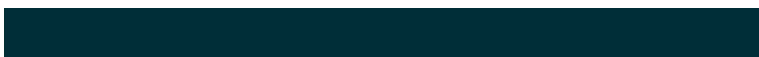
18.9490, 12.2533, 85.3718



15.9887, 17.4115, 20.2397



19.5498, 25.3238, 48.9855



1.6893, 2.2325, 4.0961

Inverse Universe

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



46.8124, 22.9562, 55.3913



52.7023, 25.8449, 62.2895



49.4259, 44.4920, 5.9847



16.3237, 15.9792, 19.2610



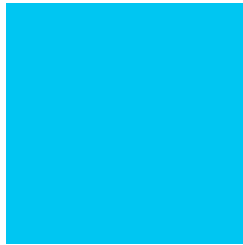
25.1934, 12.3498, 29.9989



2.1276, 1.0401, 2.6628

Previews

White Background



This preview shows how the XYZ color 36.2211, 46.7990, 91.1285 looks on a white background.

Color Contrast Check

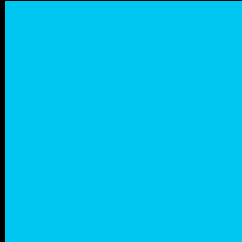
Large Text (above 18pt) WCAG AA × Fail

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 36.2211, 46.7990, 91.1285 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 36.2211, 46.7990, 91.1285

Background



This preview shows how black text looks on a background with the XYZ color 36.2211, 46.7990, 91.1285.



This preview shows how white text looks on a background with the XYZ color 36.2211, 46.7990,

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

36.2211, 46.7990, 91.1285

Protanopia

46.4859, 46.2767, 79.8810

Deuteranopia

47.4068, 46.1333, 94.4017



Tritanopia

33.4110, 46.7830, 72.9147

Trichromacy



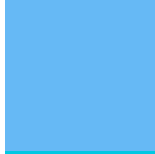
Original Color

36.2211, 46.7990, 91.1285



Protanomaly

38.4512, 44.1891, 83.5936



Deuteranomaly

39.3099, 44.1153, 92.8294



Tritanomaly

34.3817, 46.7995, 79.1726

Monochromacy



Original Color

36.2211, 46.7990, 91.1285



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

25.9273, 32.1215, 48.0136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2211, 46.7990, 91.1285 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, 198, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 242)  
}
```

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, 198, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 242) }
```

Border

The CSS property to change the border of an element to XYZ 36.2211, 46.7990, 91.1285 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, 198, 242) }
```


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

```
.border{ border-color:rgb(0, 198, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 198, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2211, 46.7990, 91.1285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 242) }
```

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

```
.background{ background-color: rgb(0, 198,  
242) }
```

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