

Converting Colors

XYZ(36.1210, 46.3424, 90.5544)

Have a look what the booklet for
XYZ(36.1210, 46.3424, 90.5544)
contains.

XYZ(36.1120, 46.4218, 90.2761)	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(36.1120, 46.4218,
90.2761)**

Conversions

Conversions Part 1

Format	Color
Hex	13C5F1
RGB	19, 197, 241
RGB Percent	7%, 77%, 95%
CMY	0.9253, 0.2274, 0.0549
CMYK	0.92, 0.18, 0.00, 0.05
HSL	192°, 89%, 51%
HSV	192°, 92%, 95%
XYZ	36.1120, 46.4218, 90.2761
YIQ	148.7940, -120.2120, -24.0520

Conversions

Conversions Part 2

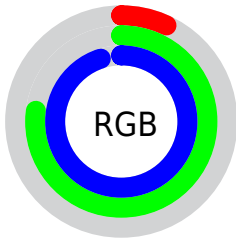
Format	Color
R _Y B	19, 118, 241
Decimal	1295857
CIE Lab	73.82, -25.01, -33.03
CIE LCh	74, 41.430, 232.867
Yxy	46.4218, 0.2090, 0.2686
Android (android.graphics.Color)	4279485937 (0xFF13C5F1)
YUV	148.7940, 45.4576, -113.8293
Hunter-Lab	68.1335, -24.6255, -30.8650

Details

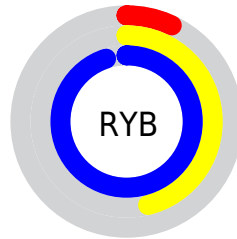
The XYZ color **36.1120, 46.4218, 90.2761** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **38.1738, 22.3079, 2.9119**, and the grayscale version is **28.3379, 29.8137, 32.4671**.

A 20% lighter version of the original color is **60.5620, 81.7485, 107.1948**, and **18.5794, 23.1477, 49.3877** is the 20% darker color. If you saturate the color by 10%, you get **34.9976, 44.5914, 89.9825**, and if you desaturate by 10%, it is **37.9486, 49.0054, 90.6789**.

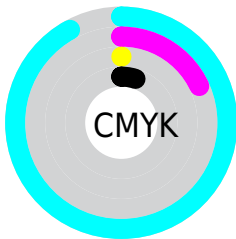
Distribution



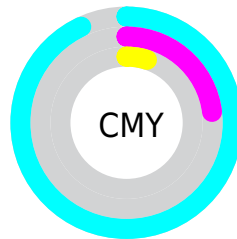
- Red (7%)
- Green (77%)
- Blue (95%)



- Red (7%)
- Yellow (46%)
- Blue (95%)



- Cyan (92%)
- Magenta (18%)
- Yellow (0%)
- Black (5%)



- Cyan (93%)
- Magenta (23%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1120, 46.4218, 90.2761 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 36.1120, 46.4218, 90.2761 by changing the saturation by 10% instead.

36.1120, 46.4218,
90.2761

36.1120, 46.4218,
90.2761

320.8725,
372.5018, 549.5218

24.6912, 32.5788,
67.6347

68.5276, 84.8499,
149.6607

15.9747, 21.8040,
49.1357

90.2532, 110.2038,
187.2410

9.5970, 13.7129,
34.3608

116.1444,
140.1635, 230.6379

5.1928, 7.9213,
22.8913

146.5666,
175.1133, 280.2701

2.3967, 4.0446,
14.3087

181.8852,
215.4376, 336.5560

0.8435, 1.6986,
8.1945

222.4654,

0.0000, 0.4227,

261.5209, 399.9143

4.1301

268.6728,
313.7475, 470.7634

■ 0.0000, 0.0000,
1.6970

■ 0.0000, 0.0000,
0.3587

■ 36.1120, 46.4218,
90.2761

■ 36.1120, 46.4218,
90.2761

■ 34.9976, 44.5914,
89.9825

■ 37.9486, 49.0054,
90.6789

■ 40.4146, 51.9643,
91.1201

■ 43.6032, 55.3476,
91.6050

■ 47.5907, 59.1951,
92.1375

■ 52.4432, 63.5414,
92.7207

■ 58.2198, 68.4173,
93.3574

■ 64.9742, 73.8511,
94.0502

■ 72.7559, 79.8686,
94.8016

■ 81.6110, 86.4939,
95.6137

Harmonies

Analogous

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



32.3153, 46.4218, 68.0054



36.1120, 46.4218, 90.2761



42.3868, 46.4218, 102.4307

Triad

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



36.1120, 46.4218, 90.2761



59.7233, 46.4218, 55.7522



38.8438, 46.4218, 21.6231

Complementary

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



36.1120, 46.4218, 90.2761



38.1738, 22.3079, 2.9119

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.



45.9050, 46.4218, 20.0320



36.1120, 46.4218, 90.2761



58.5037, 46.4218, 36.3632

Square

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



36.1120, 46.4218, 90.2761



56.4063, 46.4218, 79.2030



53.2379, 46.4218, 24.6111



33.7657, 46.4218, 29.7981

Rectangle

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



36.1120, 46.4218, 90.2761



47.3527, 46.4218, 101.3064



53.2379, 46.4218, 24.6111



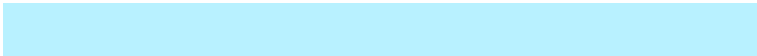
41.0427, 46.4218, 20.4146

Sweetspot

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



36.1136, 46.4234, 90.2773



69.1313, 80.1807, 106.4405



32.5337, 63.3737, 14.7561



14.1188, 16.6086, 22.7116



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.



36.1136, 46.4234, 90.2773



39.7502, 50.6205, 102.2834



19.7467, 13.6897, 84.8216



15.9657, 17.3655, 20.2320



19.0754, 24.3751, 48.8274



1.6539, 2.1617, 4.0843

Inverse Universe

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



46.5880, 23.1995, 54.8473



52.1933, 25.6413, 59.6092



50.9030, 47.7663, 7.1550



16.3121, 15.9746, 19.1998



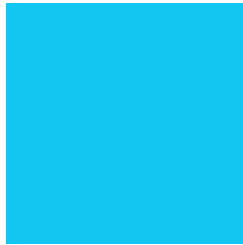
24.9540, 12.2540, 28.7381



2.1097, 1.0329, 2.5687

Previews

White Background



This preview shows how the XYZ color 36.1120, 46.4218, 90.2761 looks on a white background.

Color Contrast Check

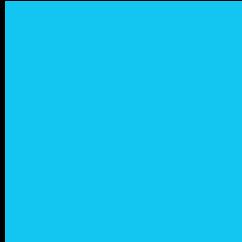
Large Text (above 18pt) WCAG AA × Fail

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 36.1120, 46.4218, 90.2761 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 36.1120, 46.4218, 90.2761

Background



This preview shows how black text looks on a background with the XYZ color 36.1120, 46.4218, 90.2761.



This preview shows how white text looks on a background with the XYZ color 36.1120, 46.4218,

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

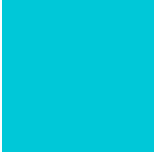
36.1120, 46.4218, 90.2761

Protanopia

45.9340, 45.7117, 79.0753

Deuteranopia

46.8990, 45.9069, 92.7753



Tritanopia

33.0489, 46.2664, 72.1542

Trichromacy



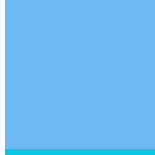
Original Color

36.1120, 46.4218, 90.2761



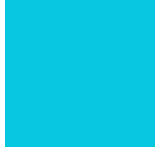
Protanomaly

38.8539, 44.1015, 82.8086



Deuteranomaly

39.9848, 44.4808, 92.0662



Tritanomaly

34.1017, 46.3283, 78.3791

Monochromacy



Original Color

36.1120, 46.4218, 90.2761



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

27.5592, 33.4746, 49.2647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1120, 46.4218, 90.2761 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(19, 197, 241)` looks like.

```
.text, #text, p{  
    color:rgb(19, 197, 241)  
}
```

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(19, 197, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 197, 241) }
```

Border

The CSS property to change the border of an element to XYZ 36.1120, 46.4218, 90.2761 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(19, 197, 241) }
```


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

```
.border{ border-color:rgb(19, 197, 241) }
```

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

Here you see how a box with a 4 pixel rgb(19, 197, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 197, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 197, 241);  
box-shadow:4px 4px 4px 4px rgb(19, 197,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1120, 46.4218, 90.2761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 197, 241) }
```

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

```
.background{ background-color: rgb(19, 197,  
241) }
```

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