

Converting Colors

XYZ(36.1528, 45.0854, 90.9983)

Have a look what the booklet for
XYZ(36.1528, 45.0854, 90.9983)
contains.

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Color

**XYZ(36.1357, 45.0862,
90.8024)**

Conversions

Conversions Part 1

Format	Color
Hex	2CC1F2
RGB	44, 193, 242
RGB Percent	17%, 76%, 95%
CMY	0.8274, 0.2431, 0.0510
CMYK	0.82, 0.20, 0.00, 0.05
HSL	195°, 88%, 56%
HSV	195°, 82%, 95%
XYZ	36.1357, 45.0862, 90.8024
YIQ	154.0350, -104.5330, -16.3490

Conversions

Conversions Part 2

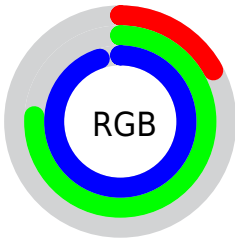
Format	Color
R _Y B	44, 129, 242
Decimal	2933234
CIE Lab	72.95, -21.18, -34.89
CIE LCh	73, 40.819, 238.741
Yxy	45.0862, 0.2101, 0.2621
Android (android.graphics.Color)	4281123314 (0xFF2CC1F2)
YUV	154.0350, 43.3667, -96.5007
Hunter-Lab	67.1463, -21.4437, -33.1759

Details

The XYZ color **36.1357, 45.0862, 90.8024** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **40.9894, 26.8915, 5.4150**, and the grayscale version is **30.5822, 32.1749, 35.0385**.

A 20% lighter version of the original color is **60.4040, 79.8022, 106.8275**, and **18.0955, 22.0104, 49.7491** is the 20% darker color. If you saturate the color by 10%, you get **34.0851, 42.1039, 90.3357**, and if you desaturate by 10%, it is **38.8480, 48.4908, 91.3175**.

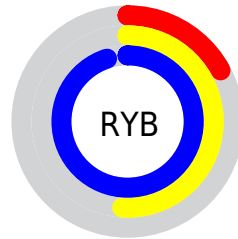
Distribution



Red (17%)

Green (76%)

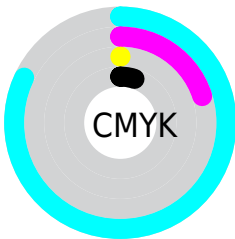
Blue (95%)



Red (17%)

Yellow (51%)

Blue (95%)

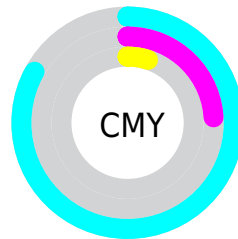


Cyan (82%)

Magenta (20%)

Yellow (0%)

Black (5%)



Cyan (83%)

Magenta (24%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1357, 45.0862, 90.8024 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 36.1357, 45.0862, 90.8024 by changing the saturation by 10% instead.

36.1357, 45.0862,
90.8024

36.1357, 45.0862,
90.8024

320.9742,
367.1226, 551.2749

24.7096, 31.5253,
68.0689

68.5640, 82.8497,
150.3977

15.9884, 20.9992,
49.4867

90.2969, 107.8212,
188.0966

9.6068, 13.1234,
34.6374

116.1961,
137.3650, 231.6210

5.1993, 7.5136,
23.1024

146.6269,
171.8655, 281.3895

2.4006, 3.7853,
14.4631

181.9548,
211.7071, 337.8205

0.8454, 1.5542,
8.3011

222.5451,

0.0000, 0.3264,

257.2742, 401.3328

4.1977

268.7631,
308.9512, 472.3447

■ 0.0000, 0.0000,
1.7344

■ 0.0000, 0.0000,
0.3841

■ 36.1357, 45.0862,
90.8024

■ 36.1357, 45.0862,
90.8024

■ 34.0851, 42.1039,
90.3357

■ 38.8480, 48.4908,
91.3175

■ 32.7772, 39.9109,
89.9814

■ 42.3097, 52.3615,
91.8822

■ 46.5993, 56.7404,
92.5013

■ 51.7837, 61.6628,
93.1782

■ 57.9226, 67.1606,
93.9158

■ 65.0705, 73.2625,
94.7168

■ 73.2776, 79.9953,
95.5838

■ 82.5907, 87.3840,
96.5191

■ 90.4994, 94.1352,
97.4054

Harmonies

Analogous

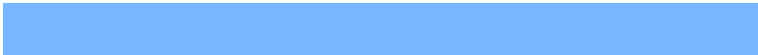
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.9374, 45.0862, 70.4554



36.1357, 45.0862, 90.8024



42.5529, 45.0862, 99.6349

Triad

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



36.1357, 45.0862, 90.8024



58.0453, 45.0862, 49.9578



36.6028, 45.0862, 22.1181

Complementary

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



36.1357, 45.0862, 90.8024



40.9894, 26.8915, 5.4150

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.



43.1546, 45.0862, 19.4047



36.1357, 45.0862, 90.8024



56.0094, 45.0862, 32.5518

Square

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



36.1357, 45.0862, 90.8024



55.6505, 45.0862, 72.3712



50.3553, 45.0862, 22.6284



32.1853, 45.0862, 31.4302

Rectangle

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



36.1357, 45.0862, 90.8024



47.4027, 45.0862, 96.3553



50.3553, 45.0862, 22.6284



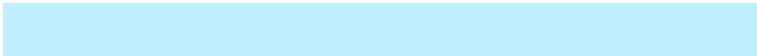
38.6043, 45.0862, 20.5405

Sweetspot

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



36.1372, 45.0878, 90.8035



70.5304, 80.1921, 106.3690



34.6467, 64.7828, 20.3993



14.4897, 16.6464, 22.6993



0.0000, 0.0000, 0.0000



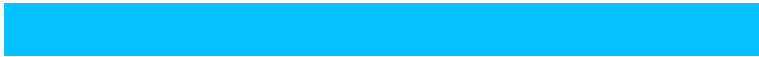
20.3446, 21.4041, 23.3091

Same Dimension

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



36.1372, 45.0878, 90.8035



37.2174, 45.4599, 101.4208



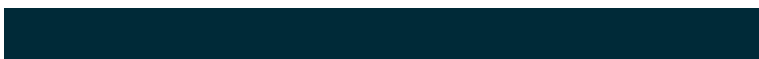
21.3244, 15.4620, 85.8659



15.8968, 17.2276, 20.2090



17.7214, 21.6670, 48.3760



1.5519, 1.9578, 4.0503

Inverse Universe

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



47.1457, 24.5307, 52.7035



50.9379, 25.2277, 52.7256



55.3153, 55.5434, 10.1904



16.2773, 15.9606, 19.0166



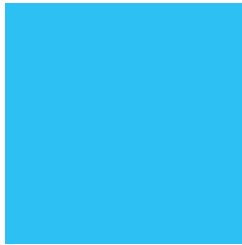
24.2705, 11.9806, 25.1390



2.0583, 1.0124, 2.2977

Previews

White Background



This preview shows how the XYZ color 36.1357, 45.0862, 90.8024 looks on a white background.

Color Contrast Check

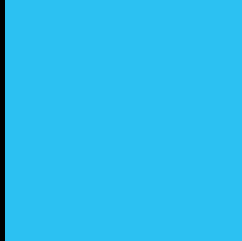
Large Text (above 18pt) WCAG AA × Fail

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 36.1357, 45.0862, 90.8024 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

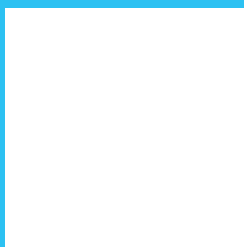
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.1357, 45.0862, 90.8024

Background



This preview shows how black text looks on a background with the XYZ color 36.1357, 45.0862, 90.8024.

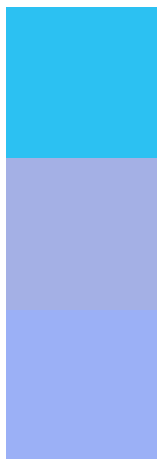


This preview shows how white text looks on a background with the XYZ color 36.1357, 45.0862,

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

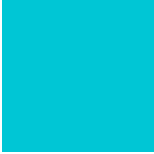
36.1357, 45.0862, 90.8024

Protanopia

44.9780, 44.6003, 80.3669

Deuteranopia

45.6775, 44.6731, 93.4041



Tritanopia

32.2043, 45.1923, 69.9764

Trichromacy



Original Color

36.1357, 45.0862, 90.8024

Protanomaly

39.3250, 43.3895, 84.1443

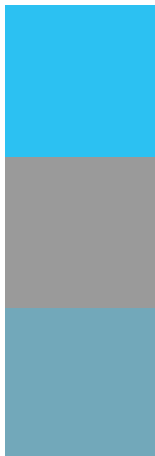
Deuteranomaly

40.2796, 43.6933, 92.6969

Tritanomaly

33.4082, 44.9718, 77.4406

Monochromacy



Original Color

36.1357, 45.0862, 90.8024

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.8050, 35.1278, 51.6638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1357, 45.0862, 90.8024 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(44, 193, 242)` looks like.

```
.text, #text, p{  
    color:rgb(44, 193, 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(44, 193, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 193, 242) }
```

Border

The CSS property to change the border of an element to XYZ 36.1357, 45.0862, 90.8024 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(44, 193, 242) }
```


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

```
.border{ border-color:rgb(44, 193, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 193, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 193, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 193, 242);  
box-shadow:4px 4px 4px 4px rgb(44, 193,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1357, 45.0862, 90.8024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 193, 242) }
```

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

```
.background{ background-color: rgb(44, 193,  
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](#).

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