

Converting Colors

XYZ(35.9661, 42.7731, 98.4501)

Have a look what the booklet for
XYZ(35.9661, 42.7731, 98.4501)
contains.

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Color

**XYZ(36.0341, 42.9262,
98.4819)**

Conversions

Conversions Part 1

Format	Color
Hex	23BBFC
RGB	35, 187, 252
RGB Percent	14%, 73%, 99%
CMY	0.8626, 0.2667, 0.0118
CMYK	0.86, 0.26, 0.00, 0.01
HSL	198°, 97%, 56%
HSV	198°, 86%, 99%
XYZ	36.0341, 42.9262, 98.4819
YIQ	148.9620, -111.4570, -12.0090

Conversions

Conversions Part 2

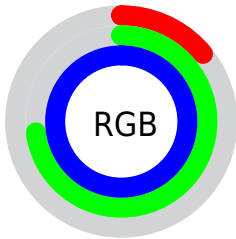
Format	Color
R _Y B	35, 124, 252
Decimal	2341884
CIE Lab	71.50, -15.30, -42.55
CIE LCh	72, 45.214, 250.223
Yxy	42.9262, 0.2031, 0.2419
Android (android.graphics.Color)	4280531964 (0xFF23BBFC)
YUV	148.9620, 50.7977, -99.9447
Hunter-Lab	65.5181, -16.4840, -43.2576

Details

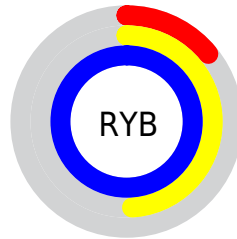
The XYZ color **36.0341, 42.9262, 98.4819** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **45.0086, 29.9363, 4.9982**, and the grayscale version is **28.3816, 29.8597, 32.5172**.

A 20% lighter version of the original color is **57.9857, 75.3861, 106.1025**, and **18.3754, 20.9903, 54.7128** is the 20% darker color. If you saturate the color by 10%, you get **33.9049, 39.5138, 97.9363**, and if you desaturate by 10%, it is **38.8627, 46.8255, 99.0863**.

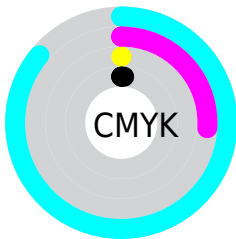
Distribution



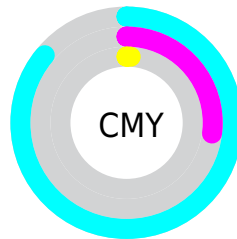
- Red (14%)
- Green (73%)
- Blue (99%)



- Red (14%)
- Yellow (49%)
- Blue (99%)



- Cyan (86%)
- Magenta (26%)
- Yellow (0%)
- Black (1%)





- Cyan (86%)
- Magenta (27%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0341, 42.9262, 98.4819 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 36.0341, 42.9262, 98.4819 by changing the saturation by 10% instead.


 36.0341, 42.9262,
98.4819


 36.0341, 42.9262,
98.4819


320.5382,
358.3082, 576.5195

 24.6308, 29.8272,
74.4235


 68.4082, 79.5995,
161.1030

 15.9294, 19.7075,
54.6419


 90.1097, 103.9426,
200.5029


 9.5648, 12.1826,
38.7184


 115.9746,
132.8025, 245.8536

 5.1714, 6.8682,
26.2346

 146.3684,
166.5636, 297.5737

 2.3840, 3.3798,
16.7719

 181.6562,
205.6103, 356.0819

 0.8371, 1.3331,
9.9117

222.2036,

 0.0000, 0.1666,

250.3271, 421.7965

5.2356

268.3758,
301.0982, 495.1362

■ 0.0000, 0.0000,
2.3250

■ 0.0000, 0.0000,
0.7452

■ 36.0341, 42.9262,
98.4819

■ 36.0341, 42.9262,
98.4819

■ 33.9049, 39.5138,
97.9363

■ 38.8627, 46.8255,
99.0863

■ 33.1963, 38.2791,
97.7354

■ 42.5001, 51.2679,
99.7521

■ 47.0397, 56.3040,
100.4849

■ 52.5602, 61.9763,
101.2888

■ 59.1313, 68.3224,
102.1674

■ 66.8160, 75.3765,
103.1239

■ 75.6721, 83.1701,
104.1615

■ 85.7533, 91.7324,
105.2828

■ 94.5532, 99.7730,
106.3710

Harmonies

Analogous

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



30.5911, 42.9262, 79.4656



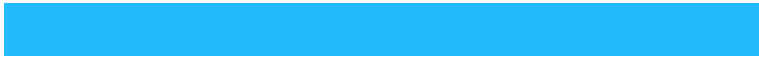
36.0341, 42.9262, 98.4819



43.4600, 42.9262, 101.4891

Triad

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



36.0341, 42.9262, 98.4819



57.0102, 42.9262, 39.6710



32.0395, 42.9262, 21.4362

Complementary

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



36.0341, 42.9262, 98.4819



45.0086, 29.9363, 4.9982

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.



38.2509, 42.9262, 16.3826



36.0341, 42.9262, 98.4819



53.0598, 42.9262, 24.5161

Square

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



36.0341, 42.9262, 98.4819



56.2234, 42.9262, 62.4481



45.9688, 42.9262, 17.2997



28.4918, 42.9262, 33.9141

Rectangle

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



36.0341, 42.9262, 98.4819



48.6404, 42.9262, 93.2627



45.9688, 42.9262, 17.2997



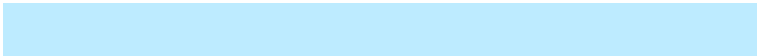
33.8510, 42.9262, 19.0206

Sweetspot

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



36.0356, 42.9277, 98.4830



68.7099, 77.4965, 105.9447



37.6393, 70.8331, 22.8763



14.0918, 16.0313, 22.6016



0.0000, 0.0000, 0.0000



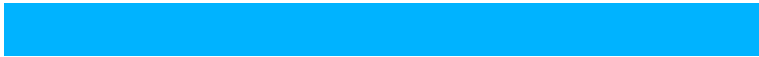
20.3446, 21.4041, 23.3091

Same Dimension

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



36.0356, 42.9277, 98.4830



34.0920, 39.3040, 100.3973



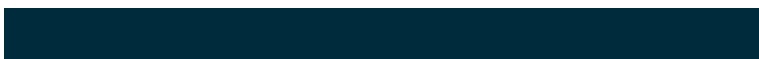
21.2850, 13.4263, 93.5661



17.3012, 18.6791, 22.0789



17.4273, 20.2101, 50.9560



1.7067, 2.0571, 4.7503

Inverse Universe

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



49.7170, 25.4872, 49.3140



49.3373, 24.4989, 44.5696



62.2779, 64.4749, 10.7546



17.7585, 17.4308, 20.5842



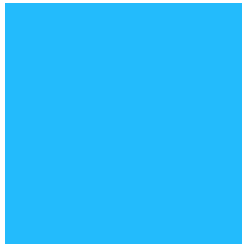
25.0885, 12.4511, 22.9723



2.3704, 1.1719, 2.3739

Previews

White Background



This preview shows how the XYZ color 36.0341, 42.9262, 98.4819 looks on a white background.

Color Contrast Check

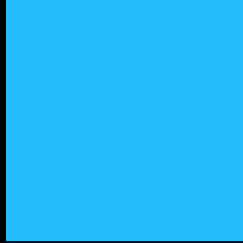
Large Text (above 18pt) WCAG AA × Fail

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 36.0341, 42.9262, 98.4819 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

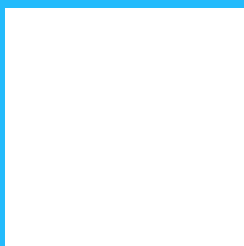
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.0341, 42.9262, 98.4819

Background



This preview shows how black text looks on a background with the XYZ color 36.0341, 42.9262, 98.4819.



This preview shows how white text looks on a background with the XYZ color 36.0341, 42.9262,

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

36.0341, 42.9262, 98.4819

Protanopia

43.4280, 42.1894, 88.2925

Deuteranopia

43.6410, 42.5961, 100.5295



Tritanopia

30.4551, 42.6940, 66.3101

Trichromacy



Original Color

36.0341, 42.9262, 98.4819

Protanomaly

38.4817, 41.2909, 91.5297

Deuteranomaly

39.1766, 41.7632, 99.7622

Tritanomaly

32.2513, 42.7290, 77.0687

Monochromacy



Original Color

36.0341, 42.9262, 98.4819

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.1445, 32.9277, 51.3267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0341, 42.9262, 98.4819 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(35, 187, 252)` looks like.

```
.text, #text, p{  
    color:rgb(35, 187, 252)  
}
```

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(35, 187, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 187, 252) }
```

Border

The CSS property to change the border of an element to XYZ 36.0341, 42.9262, 98.4819 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(35, 187, 252) }
```


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

```
.border{ border-color:rgb(35, 187, 252) }
```

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

Here you see how a box with a 4 pixel rgb(35, 187, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 187, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 187, 252);  
box-shadow:4px 4px 4px 4px rgb(35, 187,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0341, 42.9262, 98.4819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 187, 252) }
```

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

```
.background{ background-color: rgb(35, 187,  
252) }
```

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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