

Converting Colors

XYZ(34.6910, 41.3706, 93.6136)

Have a look what the booklet for
XYZ(34.6910, 41.3706, 93.6136)
contains.

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Color

**XYZ(34.6501, 41.3859,
93.3508)**

Conversions

Conversions Part 1

Format	Color
Hex	28B8F6
RGB	40, 184, 246
RGB Percent	16%, 72%, 96%
CMY	0.8430, 0.2784, 0.0353
CMYK	0.84, 0.25, 0.00, 0.04
HSL	198°, 92%, 56%
HSV	198°, 84%, 96%
XYZ	34.6501, 41.3859, 93.3508
YIQ	148.0120, -105.7260, -11.2460

Conversions

Conversions Part 2

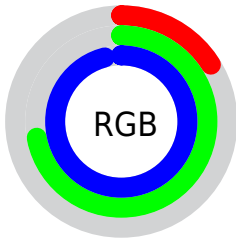
Format	Color
R _Y B	40, 125, 246
Decimal	2668790
CIE Lab	70.45, -15.43, -40.95
CIE LCh	70, 43.763, 249.361
Yxy	41.3859, 0.2046, 0.2443
Android (android.graphics.Color)	4280858870 (0xFF28B8F6)
YUV	148.0120, 48.3081, -94.7265
Hunter-Lab	64.3319, -16.4380, -41.0023

Details

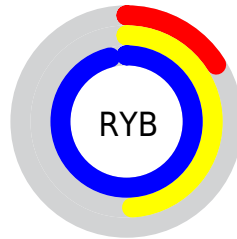
The XYZ color **34.6501, 41.3859, 93.3508** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **43.1432, 29.2533, 5.3820**, and the grayscale version is **27.9931, 29.4509, 32.0721**.

A 20% lighter version of the original color is **57.0952, 73.6051, 105.8057**, and **17.3016, 19.9067, 51.0746** is the 20% darker color. If you saturate the color by 10%, you get **32.4814, 38.0446, 92.8210**, and if you desaturate by 10%, it is **37.5094, 45.2041, 93.9379**.

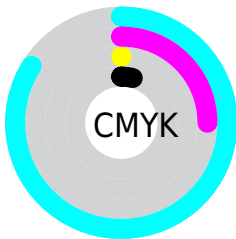
Distribution



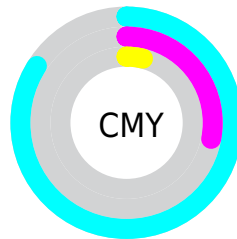
- Red (16%)
- Green (72%)
- Blue (96%)



- Red (16%)
- Yellow (49%)
- Blue (96%)



- Cyan (84%)
- Magenta (25%)
- Yellow (0%)
- Black (4%)



- Cyan (84%)
- Magenta (28%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6501, 41.3859, 93.3508 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 34.6501, 41.3859, 93.3508 by changing the saturation by 10% instead.

■ 34.6501, 41.3859,
93.3508

■ 34.6501, 41.3859,
93.3508

314.5563,
351.9309, 559.7206

■ 23.5587, 28.6207,
70.1738

■ 66.2810, 77.2694,
153.9601

■ 15.1296, 18.7941,
51.1906

■ 87.5512, 101.1564,
192.2295

■ 8.9973, 11.5216,
35.9825

■ 112.9450,
129.5196, 236.3668

■ 4.7965, 6.4188,
24.1311

■ 142.8278,
162.7433, 286.7905

■ 2.1619, 3.1014,
15.2178

■ 177.5650,
201.2119, 343.9192

■ 0.7225, 1.1849,
8.8241

217.5219,

■ 0.0000, 0.0493,

245.3098, 408.1714

4.5314

263.0639,
295.4213, 479.9657

■ 0.0000, 0.0000,
1.9211

■ 0.0000, 0.0000,
0.5061

■ 34.6501, 41.3859,
93.3508

■ 34.6501, 41.3859,
93.3508

■ 32.4814, 38.0446,
92.8210

■ 37.5094, 45.2041,
93.9379

■ 31.3788, 36.1420,
92.5119

■ 41.1559, 49.5488,
94.5844

■ 45.6744, 54.4660,
95.2953

■ 51.1366, 59.9945,
96.0745

■ 57.6067, 66.1689,
96.9253

■ 65.1427, 73.0208,
97.8507

■ 73.7981, 80.5794,
98.8534

■ 83.6227, 88.8720,
99.9363

■ 92.2605, 96.6854,
100.9891

Harmonies

Analogous

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



29.5636, 41.3859, 75.2152



34.6501, 41.3859, 93.3508



41.6338, 41.3859, 96.6705

Triad

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



34.6501, 41.3859, 93.3508



54.6576, 41.3859, 38.9093



31.1845, 41.3859, 20.8121

Complementary

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



34.6501, 41.3859, 93.3508



43.1432, 29.2533, 5.3820

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.



37.1245, 41.3859, 16.1477



34.6501, 41.3859, 93.3508



51.0548, 41.3859, 24.2850

Square

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



34.6501, 41.3859, 93.3508



53.7844, 41.3859, 60.5517



44.4265, 41.3859, 17.1879



27.7389, 41.3859, 32.4689

Rectangle

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



34.6501, 41.3859, 93.3508



46.5306, 41.3859, 89.2661



44.4265, 41.3859, 17.1879



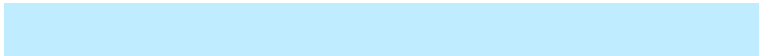
32.9242, 41.3859, 18.5648

Sweetspot

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



34.6516, 41.3873, 93.3518



69.5400, 78.2112, 106.0389



36.2212, 67.3194, 23.6074



14.2512, 16.1694, 22.6198



0.0000, 0.0000, 0.0000



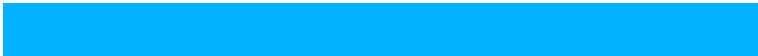
20.3446, 21.4041, 23.3091

Same Dimension

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



34.6516, 41.3873, 93.3518



34.0194, 39.1587, 100.3731



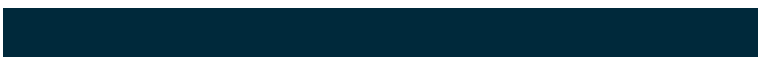
20.4693, 13.0228, 88.6244



16.5511, 17.8665, 21.1188



16.8774, 19.5486, 49.4218



1.5732, 1.8978, 4.3736

Inverse Universe

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



47.4179, 24.5729, 47.5924



49.3006, 24.4842, 44.3765



60.1746, 63.3159, 11.0591



16.9887, 16.6783, 19.6872



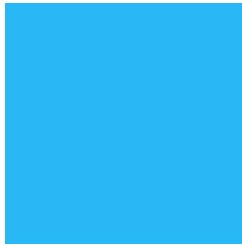
24.3235, 12.0728, 22.2095



2.1831, 1.0792, 2.1908

Previews

White Background



This preview shows how the XYZ color 34.6501, 41.3859, 93.3508 looks on a white background.

Color Contrast Check

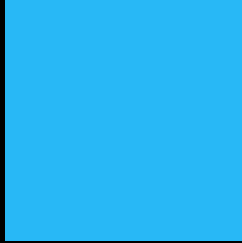
Large Text (above 18pt) WCAG AA × Fail

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 34.6501, 41.3859, 93.3508 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

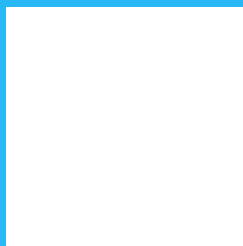
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6501, 41.3859, 93.3508

Background



This preview shows how black text looks on a background with the XYZ color 34.6501, 41.3859, 93.3508.

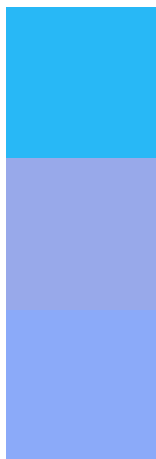


This preview shows how white text looks on a background with the XYZ color 34.6501, 41.3859,

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

34.6501, 41.3859, 93.3508

Protanopia

41.9881, 40.9918, 83.5411

Deuteranopia

42.1211, 41.0780, 95.3314



Tritanopia

29.4329, 41.2347, 64.1654

Trichromacy



Original Color

34.6501, 41.3859, 93.3508

Protanomaly

37.1242, 39.8247, 86.6192

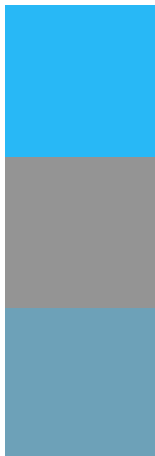
Deuteranomaly

37.8668, 40.3208, 94.5938

Tritanomaly

31.0985, 41.2353, 74.0303

Monochromacy



Original Color

34.6501, 41.3859, 93.3508

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.7033, 32.2016, 50.1028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6501, 41.3859, 93.3508 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(40, 184, 246)` looks like.

```
.text, #text, p{  
    color:rgb(40, 184, 246)  
}
```

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(40, 184, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 184, 246) }
```

Border

The CSS property to change the border of an element to XYZ 34.6501, 41.3859, 93.3508 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(40, 184, 246) }
```


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

```
.border{ border-color:rgb(40, 184, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 184, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 184, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 184, 246);  
box-shadow:4px 4px 4px 4px rgb(40, 184,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6501, 41.3859, 93.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 184, 246) }
```

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

```
.background{ background-color: rgb(40, 184,  
246) }
```

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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