

Converting Colors

XYZ(36.4272, 40.2889,
100.4644)

Have a look what the booklet for
XYZ(36.4272, 40.2889, 100.4644)
contains.

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Color

**XYZ(36.4246, 40.3260,
100.4717)**

Conversions

Conversions Part 1

Format	Color
Hex	45B2FF
RGB	69, 178, 255
RGB Percent	27%, 70%, 100%
CMY	0.7294, 0.3020, 0.0000
CMYK	0.73, 0.30, 0.00, 0.00
HSL	205°, 100%, 64%
HSV	205°, 73%, 100%
XYZ	36.4246, 40.3260, 100.4717
YIQ	154.1870, -89.6810, 0.8390

Conversions

Conversions Part 2

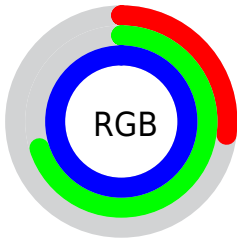
Format	Color
R _{YB}	69, 138, 255
Decimal	4567807
CIE Lab	69.70, -6.22, -46.95
CIE LCh	70, 47.361, 262.452
Yxy	40.3260, 0.2055, 0.2275
Android (android.graphics.Color)	4282757887 (0xFF45B2FF)
YUV	154.1870, 49.7008, -74.7090
Hunter-Lab	63.5028, -8.7439, -49.3545

Details

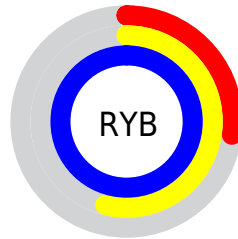
The XYZ color **36.4246, 40.3260, 100.4717** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **52.5950, 42.2507, 11.0154**, and the grayscale version is **30.6161, 32.2105, 35.0773**.

A 20% lighter version of the original color is **57.8364, 70.9868, 105.2613**, and **17.6539, 18.9989, 56.1628** is the 20% darker color. If you saturate the color by 10%, you get **32.9683, 35.5456, 99.7311**, and if you desaturate by 10%, it is **40.8217, 45.8326, 101.3028**.

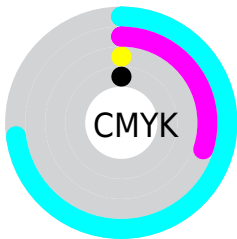
Distribution



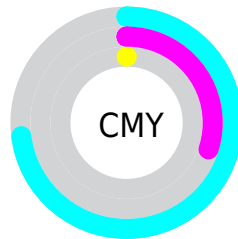
- Red (27%)
- Green (70%)
- Blue (100%)



- Red (27%)
- Yellow (54%)
- Blue (100%)



- Cyan (73%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (73%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4246, 40.3260, 100.4717 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 36.4246, 40.3260, 100.4717 by changing the saturation by 10% instead.

■ 36.4246, 40.3260,
100.4717

■ 36.4246, 40.3260,
100.4717

322.2116,
347.4957, 582.9635

■ 24.9339, 27.7928,
76.0755

■ 69.0065, 75.6597,
163.8628

■ 16.1563, 18.1695,
55.9874

■ 90.8285, 99.2290,
203.6947

■ 9.7264, 11.0718,
39.7889

■ 116.8249,
127.2457, 249.5089

■ 5.2788, 6.1151,
27.0614

■ 147.3612,
160.0944, 301.7240

■ 2.4482, 2.9152,
17.3865

182.8026,
198.1593, 360.7584

■ 0.8692, 1.0876,
10.3456

223.5146,

■ 0.0000, 0.0000,

241.8249, 427.0308

5.5201

269.8624,
291.4756, 500.9597

■ 0.0000, 0.0000,
2.4915

■ 0.0000, 0.0000,
0.8357

■ 36.4246, 40.3260,
100.4717

■ 36.4246, 40.3260,
100.4717

■ 32.9683, 35.5456,
99.7311

■ 40.8217, 45.8326,
101.3028

■ 30.3378, 31.4249,
99.0744

■ 46.2475, 52.1141,
102.2293

■ 28.8658, 28.8517,
98.6553

■ 52.7834, 59.2181,
103.2560

■ 60.5008, 67.1863,
104.3873

■ 69.4646, 76.0569,
105.6270

■ 79.7350, 85.8656,
106.9790

■ 91.3678, 96.6455,
108.4466

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



30.0280, 40.3260, 86.6105



36.4246, 40.3260, 100.4717



44.2391, 40.3260, 95.6295

Triad

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



36.4246, 40.3260, 100.4717



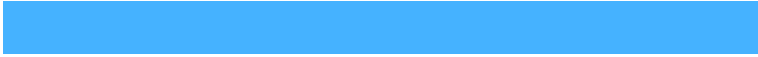
53.6318, 40.3260, 29.6767



27.7881, 40.3260, 22.8764

Complementary

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



36.4246, 40.3260, 100.4717



52.5950, 42.2507, 11.0154

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.



32.9695, 40.3260, 15.3051



36.4246, 40.3260, 100.4717



48.0333, 40.3260, 18.2196

Square

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



36.4246, 40.3260, 100.4717



54.8796, 40.3260, 49.6909



40.2979, 40.3260, 13.9437



25.4928, 40.3260, 38.5924

Rectangle

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



36.4246, 40.3260, 100.4717



49.1654, 40.3260, 83.0090



40.2979, 40.3260, 13.9437



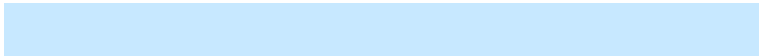
29.2142, 40.3260, 19.5423

Sweetspot

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



36.4259, 40.3273, 100.4718



70.3700, 76.9350, 105.7488



43.2040, 74.7812, 38.3058



14.5076, 15.9278, 22.5597



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.



36.4259, 40.3273, 100.4718



31.5410, 33.3809, 99.3885



23.9630, 15.4014, 96.3175



17.8876, 19.1468, 23.0029



15.2338, 15.3772, 51.5998



1.5911, 1.7128, 5.0600

Inverse Universe

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



51.4050, 28.7322, 44.9571



48.2501, 24.8314, 36.4787



72.4257, 81.9120, 17.6256



18.4559, 18.1657, 21.0180



24.4775, 12.2803, 16.4309



2.4377, 1.2175, 1.8864

Previews

White Background



This preview shows how the XYZ color 36.4246, 40.3260, 100.4717 looks on a white background.

Color Contrast Check

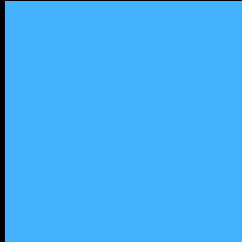
Large Text (above 18pt) WCAG AA × Fail

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 36.4246, 40.3260, 100.4717 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

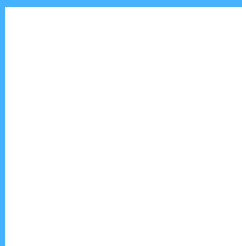
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4246, 40.3260, 100.4717

Background



This preview shows how black text looks on a background with the XYZ color 36.4246, 40.3260, 100.4717.

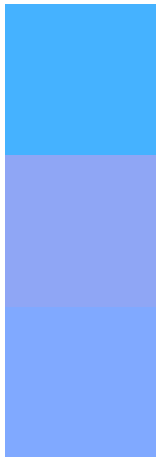


This preview shows how white text looks on a background with the XYZ color 36.4246, 40.3260,

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

36.4246, 40.3260, 100.4717

Protanopia

41.4453, 39.7046, 91.8656

Deuteranopia

41.1401, 40.1851, 100.1959



Tritanopia

28.7627, 40.2782, 62.7584

Trichromacy



Original Color

36.4246, 40.3260, 100.4717

Protanomaly

38.6761, 39.3020, 95.1701

Deuteranomaly

38.8659, 39.8508, 100.2513

Tritanomaly

30.7262, 39.7616, 75.1626

Monochromacy



Original Color

36.4246, 40.3260, 100.4717

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.6695, 34.1669, 54.2686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4246, 40.3260, 100.4717 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(69, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(69, 178, 255)  
}
```

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(69, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 178, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.4246, 40.3260, 100.4717 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(69, 178, 255) }
```


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

```
.border{ border-color:rgb(69, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(69, 178,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4246, 40.3260, 100.4717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 178, 255) }
```

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

```
.background{ background-color: rgb(69, 178,  
255) }
```

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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