

Converting Colors

XYZ(36.4945, 35.0901, 99.4573)

Have a look what the booklet for
XYZ(36.4945, 35.0901, 99.4573)
contains.

XYZ(36.5115, 35.1421, 99.4665)	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(36.5115, 35.1421,
99.4665)**

Conversions

Conversions Part 1

Format	Color
Hex	6B9FFF
RGB	107, 159, 255
RGB Percent	42%, 62%, 100%
CMY	0.5804, 0.3765, 0.0000
CMYK	0.58, 0.38, 0.00, 0.00
HSL	219°, 100%, 71%
HSV	219°, 58%, 100%
XYZ	36.5115, 35.1421, 99.4665
YIQ	154.3960, -61.8080, 18.8320

Conversions

Conversions Part 2

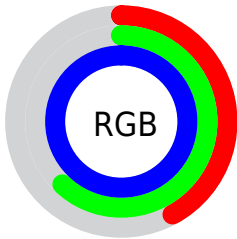
Format	Color
R_{YB}	107, 145, 255
Decimal	7053311
CIE _{Lab}	65.86, 10.63, -52.92
CIE _{LCh}	66, 53.980, 281.355
Y _{xy}	35.1421, 0.2134, 0.2054
Android (android.graphics.Color)	4285243391 (0xFF6B9FFF)
YUV	154.3960, 49.5978, -41.5663
Hunter-Lab	59.2808, 6.1982, -57.9854

Details

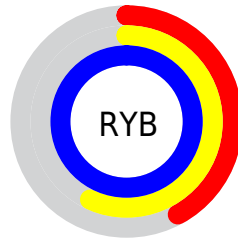
The XYZ color **36.5115, 35.1421, 99.4665** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.2513, 65.0358, 23.0259**, and the grayscale version is **30.6987, 32.2974, 35.1719**.

A 20% lighter version of the original color is **57.9927, 63.1333, 103.7372**, and **16.2153, 15.1424, 55.4942** is the 20% darker color. If you saturate the color by 10%, you get **31.2287, 28.4753, 98.4581**, and if you desaturate by 10%, it is **43.0811, 43.0383, 100.6443**.

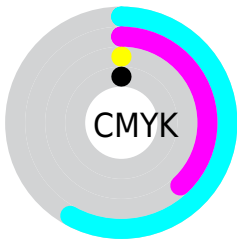
Distribution



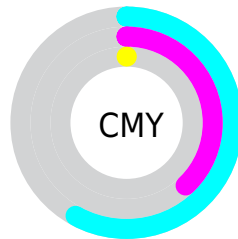
- Red (42%)
- Green (62%)
- Blue (100%)



- Red (42%)
- Yellow (57%)
- Blue (100%)



- Cyan (58%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5115, 35.1421, 99.4665 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 36.5115, 35.1421, 99.4665 by changing the saturation by 10% instead.

■ 36.5115, 35.1421,
99.4665

■ 36.5115, 35.1421,
99.4665

322.5831,
325.1951, 579.7129

■ 25.0014, 23.7724,
75.2407

■ 69.1395, 67.7058,
162.4693

■ 16.2069, 15.1648,
55.3072

■ 90.9882, 89.6686,
202.0834

■ 9.7624, 8.9352,
39.2474

■ 117.0138,
115.9312, 247.6639

■ 5.3028, 4.6989,
26.6430

147.5817,
146.8780, 299.6295

■ 2.4626, 2.0717,
17.0752

183.0572,
182.8934, 358.3987

■ 0.8764, 0.6486,
10.1256

223.8057,

■ 0.0000, 0.0000,

224.3618, 424.3899

5.3756

270.1926,
271.6676, 498.0218

■ 0.0000, 0.0000,
2.4067

■ 0.0000, 0.0000,
0.7901

■ 36.5115, 35.1421,
99.4665

■ 36.5115, 35.1421,
99.4665

■ 31.2287, 28.4753,
98.4581

■ 43.0811, 43.0383,
100.6443

■ 27.1319, 22.9623,
97.6099

■ 51.0200, 52.2260,
101.9993

■ 24.1095, 18.5221,
96.9122

■ 60.4078, 62.7667,
103.5391

■ 22.0128, 15.0527,
96.3530

■ 71.3165, 74.7165,
105.2707

■ 21.6717, 14.4634,
96.2572

■ 83.8133, 88.1282,
107.2008

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.



28.7362, 35.1421, 96.7596



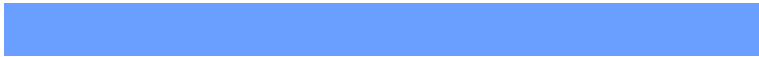
36.5115, 35.1421, 99.4665



44.5886, 35.1421, 81.5862

Triad

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



36.5115, 35.1421, 99.4665



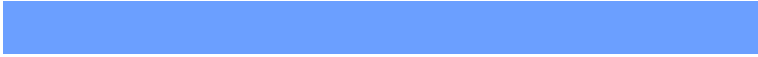
46.2807, 35.1421, 15.9687



20.8800, 35.1421, 25.8737

Complementary

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



36.5115, 35.1421, 99.4665



65.2513, 65.0358, 23.0259

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.



24.2621, 35.1421, 13.8640



36.5115, 35.1421, 99.4665



38.5463, 35.1421, 9.9186

Square

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



36.5115, 35.1421, 99.4665



50.7985, 35.1421, 30.2545



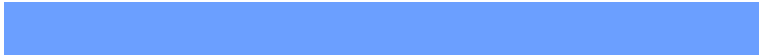
30.4733, 35.1421, 9.3426



20.5133, 35.1421, 47.5748

Rectangle

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



36.5115, 35.1421, 99.4665



48.7422, 35.1421, 63.4054



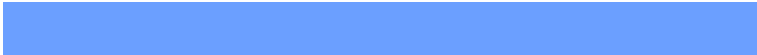
30.4733, 35.1421, 9.3426



21.6734, 35.1421, 20.8400

Sweetspot

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



36.5127, 35.1432, 99.4666



72.5370, 76.0378, 105.4614



52.3358, 78.8509, 67.5569



15.0229, 15.7301, 22.4944



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.



36.5127, 35.1432, 99.4666



30.3339, 27.3042, 98.2792



32.0220, 22.2289, 97.2106



17.5250, 18.4216, 22.8820



11.4502, 7.8099, 50.3386



1.2129, 0.9565, 4.9340

Inverse Universe

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



52.7566, 34.2801, 36.6380



48.5348, 28.3684, 27.4255



72.7636, 90.2894, 27.5044



18.2729, 18.0925, 20.0542



22.5677, 11.5164, 6.3740



2.2468, 1.1411, 0.8812

Previews

White Background



This preview shows how the XYZ color 36.5115, 35.1421, 99.4665 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 36.5115, 35.1421, 99.4665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

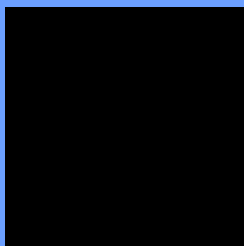
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

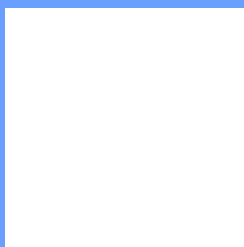
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.5115, 35.1421, 99.4665

Background



This preview shows how black text looks on a background with the XYZ color 36.5115, 35.1421, 99.4665.



This preview shows how white text looks on a background with the XYZ color 36.5115, 35.1421,

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

36.5115, 35.1421, 99.4665

Protanopia

37.6275, 35.0162, 96.8711

Deuteranopia

36.3297, 35.3047, 99.5074



Tritanopia

27.1377, 35.1373, 52.3656

Trichromacy



Original Color

36.5115, 35.1421, 99.4665

Protanomaly

37.1227, 34.9877, 97.7252

Deuteranomaly

36.4465, 35.3649, 99.5129

Tritanomaly

30.0061, 34.8826, 67.4389

Monochromacy



Original Color

36.5115, 35.1421, 99.4665

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.6090, 32.8569, 53.9663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5115, 35.1421, 99.4665 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(107, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 159, 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(107, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 159, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.5115, 35.1421, 99.4665 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(107, 159, 255) }
```


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

```
.border{ border-color:rgb(107, 159, 255) }
```

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

Here you see how a box with a 4 pixel rgb(107, 159, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 159,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5115, 35.1421, 99.4665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 159, 255) }
```

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

```
.background{ background-color: rgb(107,  
159, 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](#).

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