

Converting Colors

XYZ(36.6651, 34.6980, 86.9695)

Have a look what the booklet for
XYZ(36.6651, 34.6980, 86.9695)
contains.

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Color

**XYZ(36.6699, 34.7353,
87.2100)**

Conversions

Conversions Part 1

Format	Color
Hex	819CF0
RGB	129, 156, 240
RGB Percent	51%, 61%, 94%
CMY	0.4941, 0.3882, 0.0588
CMYK	0.46, 0.35, 0.00, 0.06
HSL	225°, 79%, 72%
HSV	225°, 46%, 94%
XYZ	36.6699, 34.7353, 87.2100
YIQ	157.5030, -43.0560, 20.4000

Conversions

Conversions Part 2

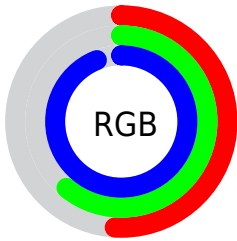
Format	Color
R _Y B	129, 151, 240
Decimal	8494320
CIE Lab	65.54, 12.52, -45.15
CIE LCh	66, 46.851, 285.499
Yxy	34.7353, 0.2312, 0.2190
Android (android.graphics.Color)	4286684400 (0xFF819CF0)
YUV	157.5030, 40.6710, -24.9971
Hunter-Lab	58.9367, 7.9221, -46.4772

Details

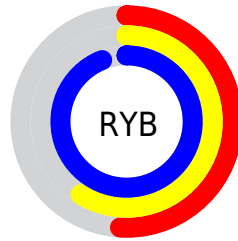
The XYZ color **36.6699, 34.7353, 87.2100** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **63.6935, 67.7009, 30.4812**, and the grayscale version is **32.1117, 33.7840, 36.7908**.

A 20% lighter version of the original color is **61.3463, 63.7523, 103.6799**, and **16.3018, 14.9034, 47.3649** is the 20% darker color. If you saturate the color by 10%, you get **30.6201, 27.4259, 86.1187**, and if you desaturate by 10%, it is **44.0341, 43.4000, 88.4950**.

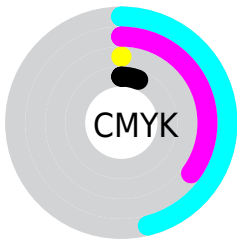
Distribution



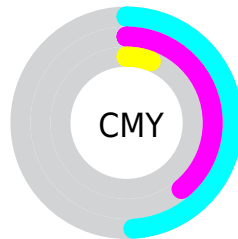
- Red (51%)
- Green (61%)
- Blue (94%)



- Red (51%)
- Yellow (59%)
- Blue (94%)



- Cyan (46%)
- Magenta (35%)
- Yellow (0%)
- Black (6%)



- Cyan (49%)
- Magenta (39%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6699, 34.7353, 87.2100 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 36.6699, 34.7353, 87.2100 by changing the saturation by 10% instead.

■ 36.6699, 34.7353,
87.2100

■ 36.6699, 34.7353,
87.2100

323.2596,
323.3984, 539.2468

■ 25.1245, 23.4590,
65.1084

■ 69.3819, 67.0755,
145.3583

■ 16.2991, 14.9328,
47.0971

■ 91.2793, 88.9082,
182.2420

■ 9.8282, 8.7723,
32.7575

■ 117.3580,
115.0286, 224.8902

■ 5.3466, 4.5929,
21.6711

147.9834,
145.8210, 273.7213

■ 2.4889, 2.0105,
13.4195

183.5210,
181.6697, 329.1541

■ 0.8896, 0.6135,
7.5839

224.3359,

■ 0.0000, 0.0000,

222.9593, 391.6068

3.7459

270.7937,
270.0741, 461.4982

■ 0.0000, 0.0000,
1.4870

■ 0.0000, 0.0000,
0.2082

■ 36.6699, 34.7353,
87.2100

■ 36.6699, 34.7353,
87.2100

■ 30.6201, 27.4259,
86.1187

■ 44.0341, 43.4000,
88.4950

■ 25.7998, 21.3963,
85.2089

■ 52.7826, 53.4823,
89.9800

■ 22.1197, 16.5689,
84.4711

■ 62.9849, 65.0451,
91.6741

■ 19.4759, 12.8552,
83.8936

■ 74.7046, 78.1464,
93.5852

■ 17.7422, 10.1518,
83.4632

■ 88.0015, 92.8407,
95.7207

■ 17.2603, 9.3554,
83.3349

■ 92.7283, 99.0713,
96.6742

Harmonies

Analogous

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



29.8180, 34.7353, 87.5076



36.6699, 34.7353, 87.2100



43.3549, 34.7353, 70.9961

Triad

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



36.6699, 34.7353, 87.2100



43.1604, 34.7353, 16.7548



21.8115, 34.7353, 29.1209

Complementary

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



36.6699, 34.7353, 87.2100



63.6935, 67.7009, 30.4812

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.



24.4653, 34.7353, 17.0266



36.6699, 34.7353, 87.2100



36.4324, 34.7353, 11.7547

Square

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



36.6699, 34.7353, 87.2100



47.4415, 34.7353, 28.5902



29.6111, 34.7353, 11.8330



21.8567, 34.7353, 48.8509

Rectangle

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



36.6699, 34.7353, 87.2100



46.5446, 34.7353, 55.7686



29.6111, 34.7353, 11.8330



22.3995, 34.7353, 24.2073

Sweetspot

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



36.6712, 34.7365, 87.2108



75.0925, 77.8042, 105.6677



52.1299, 71.7544, 73.5566



15.4815, 15.9889, 22.5201



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.



36.6712, 34.7365, 87.2108



35.8131, 32.2994, 98.9546



37.4359, 29.1365, 86.0896



15.2095, 15.8531, 19.9799



9.5352, 5.2946, 45.6473



0.8686, 0.5911, 3.8225

Inverse Universe

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



49.7874, 36.6276, 35.8993



52.7561, 35.6301, 32.4731



62.3472, 77.9404, 32.5286



15.9304, 15.8219, 17.1898



20.1385, 10.3278, 3.3802



1.7134, 0.8744, 0.4814

Previews

White Background



This preview shows how the XYZ color 36.6699, 34.7353, 87.2100 looks on a white background.

Color Contrast Check

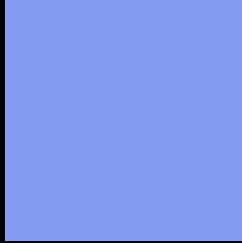
Large Text (above 18pt) WCAG AA × Fail

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 36.6699, 34.7353, 87.2100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

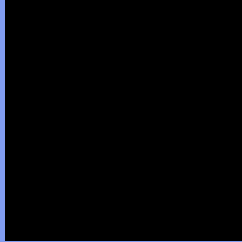
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6699, 34.7353, 87.2100

Background



This preview shows how black text looks on a background with the XYZ color 36.6699, 34.7353, 87.2100.



This preview shows how white text looks on a background with the XYZ color 36.6699, 34.7353,

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

36.6699, 34.7353, 87.2100

Protanopia

36.6699, 34.7353, 87.2100

Deuteranopia

35.8402, 34.8099, 87.2681



Tritanopia

29.0252, 34.7862, 48.9007

Trichromacy



Original Color

36.6699, 34.7353, 87.2100

Protanomaly

36.6699, 34.7353, 87.2100

Deuteranomaly

36.0973, 34.6903, 87.2314

Tritanomaly

31.4073, 34.6667, 60.9131

Monochromacy



Original Color

36.6699, 34.7353, 87.2100

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.1667, 33.9478, 52.3815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6699, 34.7353, 87.2100 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(129, 156, 240)` looks like.

```
.text, #text, p{  
    color:rgb(129, 156, 240)  
}
```

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(129, 156, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 156, 240) }
```

Border

The CSS property to change the border of an element to XYZ 36.6699, 34.7353, 87.2100 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(129, 156, 240) }
```


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

```
.border{ border-color:rgb(129, 156, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 156, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 156, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 156, 240);  
box-shadow:4px 4px 4px 4px rgb(129, 156,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6699, 34.7353, 87.2100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 156, 240) }
```

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

```
.background{ background-color: rgb(129,  
156, 240) }
```

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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