

Converting Colors

XYZ(36.5473, 43.0317, 96.0032)

Have a look what the booklet for
XYZ(36.5473, 43.0317, 96.0032)
contains.

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Color

**XYZ(36.4614, 42.8872,
95.9789)**

Conversions

Conversions Part 1

Format	Color
Hex	3BBAF9
RGB	59, 186, 249
RGB Percent	23%, 73%, 98%
CMY	0.7686, 0.2706, 0.0235
CMYK	0.76, 0.25, 0.00, 0.02
HSL	200°, 94%, 60%
HSV	200°, 76%, 98%
XYZ	36.4614, 42.8872, 95.9789
YIQ	155.2090, -95.9150, -7.3310

Conversions

Conversions Part 2

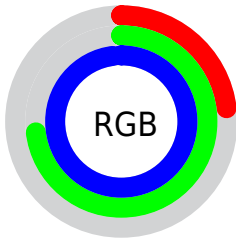
Format	Color
RYB	59, 135, 249
Decimal	3914489
CIELab	71.48, -13.76, -40.94
CIELCh	71, 43.190, 251.423
Yxy	42.8872, 0.2080, 0.2446
Android (android.graphics.Color)	4282104569 (0xFF3BBAF9)
YUV	155.2090, 46.2390, -84.3753
Hunter-Lab	65.4883, -15.2226, -41.0529

Details

The XYZ color **36.4614, 42.8872, 95.9789** 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 **46.8182, 34.3781, 8.3076**, and the grayscale version is **31.0827, 32.7014, 35.6118**.

A 20% lighter version of the original color is **59.3179, 75.6298, 106.0794**, and **17.9020, 20.5808, 52.8981** is the 20% darker color. If you saturate the color by 10%, you get **33.6323, 38.9213, 95.3634**, and if you desaturate by 10%, it is **40.0970, 47.4195, 96.6630**.

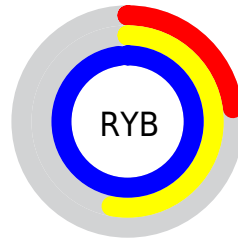
Distribution



Red (23%)

Green (73%)

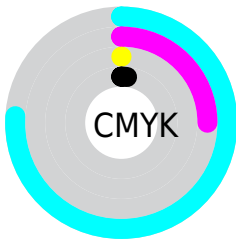
Blue (98%)



Red (23%)

Yellow (53%)

Blue (98%)

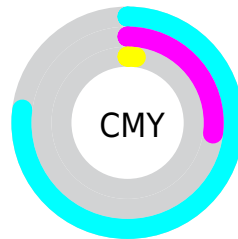


Cyan (76%)

Magenta (25%)

Yellow (0%)

Black (2%)



Cyan (77%)

Magenta (27%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4614, 42.8872, 95.9789 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 36.4614, 42.8872, 95.9789 by changing the saturation by 10% instead.

■ 36.4614, 42.8872,
95.9789

■ 36.4614, 42.8872,
95.9789

322.3689,
358.1477, 568.3583

■ 24.9625, 29.7966,
72.3486

■ 69.0629, 79.5406,
157.6235

■ 16.1777, 19.6843,
52.9549

■ 90.8961, 103.8722,
196.4749

■ 9.7416, 12.1657,
37.3793

■ 116.9049,
132.7197, 241.2370

■ 5.2889, 6.8567,
25.2032

■ 147.4546,
166.4673, 292.3285

■ 2.4543, 3.3726,
16.0081

182.9105,
205.4995, 350.1678

■ 0.8723, 1.3292,
9.3755

223.6379,

■ 0.0000, 0.1637,

250.2007, 415.1735

4.8868

270.0023,
300.9553, 487.7642

■ 0.0000, 0.0000,
2.1234

■ 0.0000, 0.0000,
0.6296

■ 36.4614, 42.8872,
95.9789

■ 36.4614, 42.8872,
95.9789

■ 33.6323, 38.9213,
95.3634

■ 40.0970, 47.4195,
96.6630

■ 31.4935, 35.4573,
94.8075

■ 44.6247, 52.5626,
97.4171

■ 30.8142, 34.2700,
94.6141

■ 50.1229, 58.3602,
98.2463

■ 56.6600, 64.8496,
99.1544

■ 64.2976, 72.0650,
100.1445

■ 73.0923, 80.0377,
101.2199

■ 83.0966, 88.7971,
102.3833

■ 93.1672, 97.7558,
103.5818

■ 94.0991, 99.6196,
103.8924

Harmonies

Analogous

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



31.1359, 42.8872, 78.5847



36.4614, 42.8872, 95.9789



43.6006, 42.8872, 98.0885

Triad

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



36.4614, 42.8872, 95.9789



56.0923, 42.8872, 39.1938



32.1800, 42.8872, 22.6127

Complementary

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



36.4614, 42.8872, 95.9789



46.8182, 34.3781, 8.3076

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.



38.0512, 42.8872, 17.3796



36.4614, 42.8872, 95.9789



52.1944, 42.8872, 24.8663

Square

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



36.4614, 42.8872, 95.9789



55.5345, 42.8872, 60.6784



45.3903, 42.8872, 18.0586



28.8748, 42.8872, 35.0472

Rectangle

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



36.4614, 42.8872, 95.9789



48.5107, 42.8872, 89.9765



45.3903, 42.8872, 18.0586



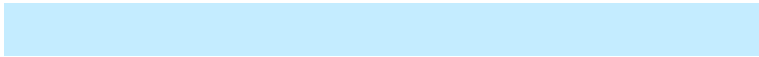
33.8876, 42.8872, 20.1478

Sweetspot

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



36.4629, 42.8887, 95.9800



70.7727, 78.7360, 106.0752



39.0209, 70.0184, 28.9667



14.4636, 16.2234, 22.6191



0.0000, 0.0000, 0.0000



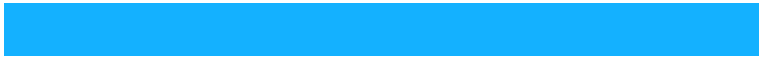
20.3446, 21.4041, 23.3091

Same Dimension

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



36.4629, 42.8887, 95.9800



34.1099, 38.8994, 100.3183



22.8925, 15.7477, 91.4565



17.2525, 18.5819, 22.0626



16.6300, 18.6156, 50.6902



1.6374, 1.9185, 4.7272

Inverse Universe

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



49.4952, 26.8146, 49.0227



49.4538, 24.9572, 43.9144



63.9468, 68.6352, 14.0171



17.7340, 17.4210, 20.4550



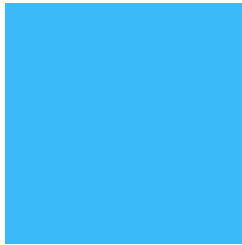
24.6861, 12.2902, 20.8531



2.3354, 1.1579, 2.1897

Previews

White Background



This preview shows how the XYZ color 36.4614, 42.8872, 95.9789 looks on a white background.

Color Contrast Check

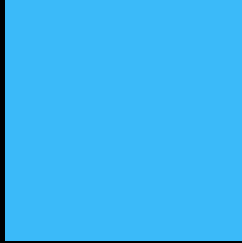
Large Text (above 18pt) WCAG AA × Fail

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 36.4614, 42.8872, 95.9789 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

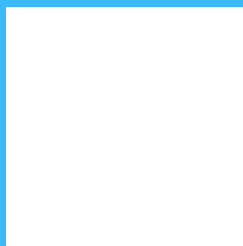
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4614, 42.8872, 95.9789

Background



This preview shows how black text looks on a background with the XYZ color 36.4614, 42.8872, 95.9789.

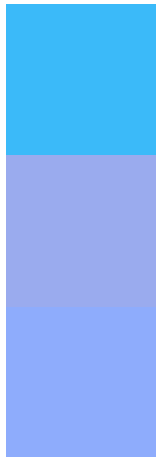


This preview shows how white text looks on a background with the XYZ color 36.4614, 42.8872,

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

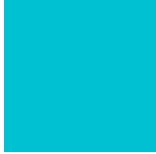
36.4614, 42.8872, 95.9789

Protanopia

43.3220, 42.1689, 86.7450

Deuteranopia

43.4785, 42.2841, 97.9655



Tritanopia

30.5786, 42.7434, 66.9602

Trichromacy



Original Color

36.4614, 42.8872, 95.9789

Protanomaly

39.1601, 41.3834, 89.9282

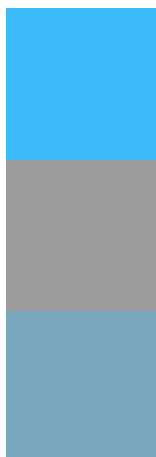
Deuteranomaly

39.8168, 41.8541, 97.2469

Tritanomaly

32.1773, 42.3682, 77.0030

Monochromacy



Original Color

36.4614, 42.8872, 95.9789

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.5673, 34.9396, 53.2771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4614, 42.8872, 95.9789 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(59, 186, 249)` looks like.

```
.text, #text, p{  
    color:rgb(59, 186, 249)  
}
```

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(59, 186, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 186, 249) }
```

Border

The CSS property to change the border of an element to XYZ 36.4614, 42.8872, 95.9789 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(59, 186, 249) }
```


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

```
.border{ border-color:rgb(59, 186, 249) }
```

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

Here you see how a box with a 4 pixel rgb(59, 186, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 186, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 186, 249);  
box-shadow:4px 4px 4px 4px rgb(59, 186,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4614, 42.8872, 95.9789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 186, 249) }
```

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

```
.background{ background-color: rgb(59, 186,  
249) }
```

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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