

Converting Colors

XYZ(36.2549, 43.1894,
101.0333)

Have a look what the booklet for
XYZ(36.2549, 43.1894, 101.0333)
contains.

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Color

**XYZ(36.3217, 43.3352,
101.0579)**

Conversions

Conversions Part 1

Format	Color
Hex	14BCFF
RGB	20, 188, 255
RGB Percent	8%, 74%, 100%
CMY	0.9214, 0.2627, 0.0000
CMYK	0.92, 0.26, 0.00, 0.00
HSL	197°, 100%, 54%
HSV	197°, 92%, 100%
XYZ	36.3217, 43.3352, 101.0579
YIQ	145.4060, -121.6350, -14.7790

Conversions

Conversions Part 2

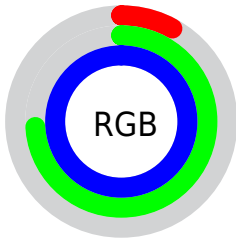
Format	Color
R_{YB}	20, 118, 255
Decimal	1359103
CIE _{Lab}	71.78, -15.53, -43.74
CIE _{LCh}	72, 46.417, 250.450
Yxy	43.3352, 0.2010, 0.2398
Android (android.graphics.Color)	4279549183 (0xFF14BCFF)
YUV	145.4060, 54.0298, -109.9811
Hunter-Lab	65.8295, -16.7134, -44.9382

Details

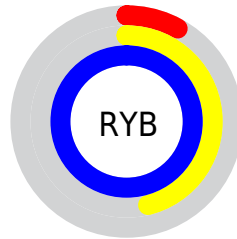
The XYZ color **36.3217, 43.3352, 101.0579** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **44.7783, 28.1340, 3.7342**, and the grayscale version is **26.9071, 28.3084, 30.8278**.

A 20% lighter version of the original color is **57.7368, 75.7033, 106.1769**, and **18.8570, 21.4052, 56.5638** is the 20% darker color. If you saturate the color by 10%, you get **34.8367, 40.7933, 100.6456**, and if you desaturate by 10%, it is **38.7328, 46.9433, 101.6273**.

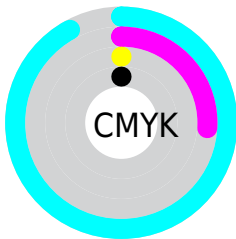
Distribution



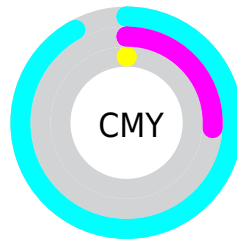
- Red (8%)
- Green (74%)
- Blue (100%)



- Red (8%)
- Yellow (46%)
- Blue (100%)



- Cyan (92%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (92%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3217, 43.3352, 101.0579 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 36.3217, 43.3352, 101.0579 by changing the saturation by 10% instead.

36.3217, 43.3352,
101.0579

36.3217, 43.3352,
101.0579

321.7712,
359.9885, 584.8547

24.8540, 30.1482,
76.5625

68.8489, 80.2164,
164.6748

16.0965, 19.9511,
56.3845

90.6392, 104.6795,
204.6333

9.6837, 12.3595,
40.1052

116.6010,
133.6700, 250.5834

5.2504, 6.9890,
27.3062

147.0998,
167.5724, 302.9434

2.4312, 3.4552,
17.5688

182.5008,
206.7710, 362.1321

0.8607, 1.3738,
10.4747

223.1695,

0.0000, 0.1973,

251.6503, 428.5678

5.6051

269.4712,
302.5947, 502.6692

■ 0.0000, 0.0000,
2.5416

■ 0.0000, 0.0000,
0.8621

■ 36.3217, 43.3352,
101.0579

■ 36.3217, 43.3352,
101.0579

■ 34.8367, 40.7933,
100.6456

■ 38.7328, 46.9433,
101.6273

■ 41.9005, 51.0585,
102.2546

■ 45.9327, 55.7390,
102.9455

■ 50.9179, 61.0318,
103.7044

■ 56.9328, 66.9781,
104.5351

■ 64.0462, 73.6147,
105.4412

■ 72.3204, 80.9755,
106.4259

■ 81.8129, 89.0914,
107.4921

■ 92.5772, 97.9916,
108.6427

Harmonies

Analogous

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



30.6969, 43.3352, 81.3268



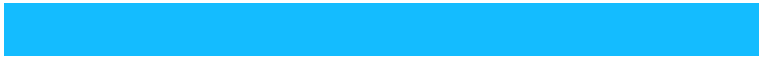
36.3217, 43.3352, 101.0579



43.9999, 43.3352, 104.0489

Triad

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



36.3217, 43.3352, 101.0579



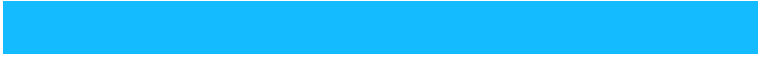
57.9668, 43.3352, 39.7402



32.1160, 43.3352, 21.2587

Complementary

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



36.3217, 43.3352, 101.0579



44.7783, 28.1340, 3.7342

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.



38.5000, 43.3352, 16.0734



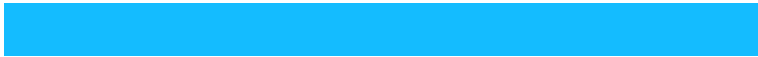
36.3217, 43.3352, 101.0579



53.8345, 43.3352, 24.2513

Square

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



36.3217, 43.3352, 101.0579



57.1886, 43.3352, 63.2538



46.4724, 43.3352, 16.9586



28.4918, 43.3352, 34.0973

Rectangle

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



36.3217, 43.3352, 101.0579



49.3586, 43.3352, 95.3769



46.4724, 43.3352, 16.9586



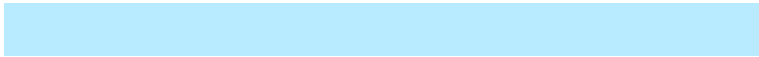
33.9743, 43.3352, 18.7822

Sweetspot

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



36.3231, 43.3366, 101.0581



67.3269, 76.5718, 105.8391



37.7540, 72.3510, 20.9100



13.6796, 15.7302, 22.5652



0.0000, 0.0000, 0.0000



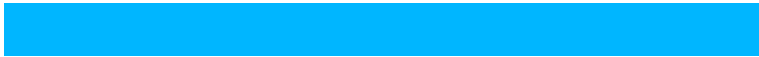
20.3446, 21.4041, 23.3091

Same Dimension

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



36.3231, 43.3366, 101.0581



34.8367, 40.7933, 100.6456



20.5896, 11.8696, 95.8136



18.0915, 19.5546, 23.0708



18.3367, 21.5829, 52.6341



1.8787, 2.2880, 5.1559

Inverse Universe

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



50.5683, 25.3928, 49.8143



49.7131, 24.6493, 46.5489



62.9817, 64.5407, 9.8020



18.5588, 18.2068, 21.5599



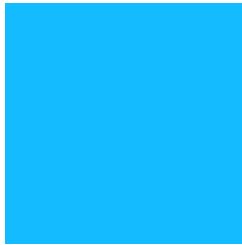
26.0437, 12.9068, 24.6784



2.5829, 1.2755, 2.6508

Previews

White Background



This preview shows how the XYZ color 36.3217, 43.3352, 101.0579 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 36.3217, 43.3352, 101.0579 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

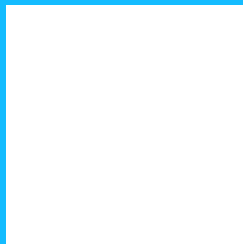
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3217, 43.3352, 101.0579

Background



This preview shows how black text looks on a background with the XYZ color 36.3217, 43.3352, 101.0579.



This preview shows how white text looks on a background with the XYZ color 36.3217, 43.3352,

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

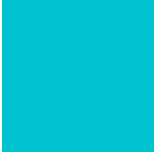
36.3217, 43.3352, 101.0579

Protanopia

43.9164, 42.6882, 89.9294

Deuteranopia

44.0013, 43.0676, 100.6015



Tritanopia

30.8004, 43.1870, 67.0342

Trichromacy



Original Color

36.3217, 43.3352, 101.0579

Protanomaly

38.5346, 41.5594, 93.9865

Deuteranomaly

38.9940, 41.9470, 100.6491

Tritanomaly

32.6647, 43.2354, 78.5752

Monochromacy



Original Color

36.3217, 43.3352, 101.0579

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.7574, 31.7018, 50.6077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3217, 43.3352, 101.0579 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(20, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(20, 188, 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(20, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 188, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.3217, 43.3352, 101.0579 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(20, 188, 255) }
```


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

```
.border{ border-color:rgb(20, 188, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(20, 188,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3217, 43.3352, 101.0579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 188, 255) }
```

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

```
.background{ background-color: rgb(20, 188,  
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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