

Converting Colors

XYZ(47.5236, 64.1406,
104.4834)

Have a look what the booklet for
XYZ(47.5236, 64.1406, 104.4834)
contains.

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Color

**XYZ(47.4346, 63.9624,
104.4537)**

Conversions

Conversions Part 1

Format	Color
Hex	33E5FF
RGB	51, 229, 255
RGB Percent	20%, 90%, 100%
CMY	0.7999, 0.1019, 0.0000
CMYK	0.80, 0.10, 0.00, 0.00
HSL	188°, 100%, 60%
HSV	188°, 80%, 100%
XYZ	47.4346, 63.9624, 104.4537
YIQ	178.7420, -114.4340, -29.6500

Conversions

Conversions Part 2

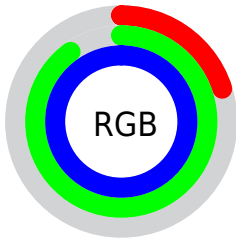
Format	Color
R_{YB}	51, 146, 255
Decimal	3401215
CIE _{Lab}	83.95, -34.20, -24.93
CIE _{LCh}	84, 42.321, 216.090
Yxy	63.9624, 0.2198, 0.2963
Android (android.graphics.Color)	4281591295 (0xFF33E5FF)
YUV	178.7420, 37.5952, -112.0297
Hunter-Lab	79.9765, -34.0893, -21.4525

Details

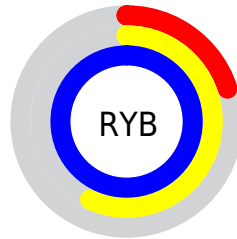
The XYZ color **47.4346, 63.9624, 104.4537** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.4931, 26.8094, 5.9640**, and the grayscale version is **42.5642, 44.7809, 48.7664**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **25.1366, 33.9644, 58.6570** is the 20% darker color. If you saturate the color by 10%, you get **45.5931, 61.6919, 104.1125**, and if you desaturate by 10%, it is **49.9999, 66.6336, 104.8341**.

Distribution



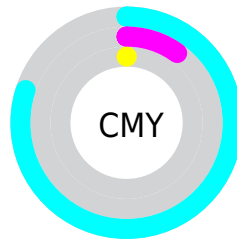
- Red (20%)
- Green (90%)
- Blue (100%)



- Red (20%)
- Yellow (57%)
- Blue (100%)



- Cyan (80%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4346, 63.9624, 104.4537 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 47.4346, 63.9624, 104.4537 by changing the saturation by 10% instead.

47.4346, 63.9624,
104.4537

47.4346, 63.9624,
104.4537

367.1666,
439.0538, 595.7474

33.5887, 46.6202,
79.3877

85.5768, 110.5568,
169.3693

22.7392, 32.7355,
58.6914

110.6038,
140.5778, 210.0559

14.5207, 21.9239,
41.9464

140.0886,
175.5938, 256.7865

8.5678, 13.8010,
28.7340

174.3965,
215.9893, 309.9796

4.5152, 7.9824,
18.6359

213.8930,
262.1487, 370.0536

1.9975, 4.0837,
11.2333

258.9432,

0.6326, 1.7205,

314.4563, 437.4273

6.1079

309.9126,
373.2966, 512.5190

■ 0.0000, 0.4369,
2.8409

■ 0.0000, 0.0000,
1.0140

■ 47.4346, 63.9624,
104.4537

■ 47.4346, 63.9624,
104.4537

■ 45.5931, 61.6919,
104.1125

■ 49.9999, 66.6336,
104.8341

■ 44.3054, 59.7304,
103.8017

■ 53.3843, 69.7510,
105.2574

■ 44.3044, 59.7289,
103.8015

■ 57.6743, 73.3605,
105.7280

■ 62.9437, 77.5002,
106.2493

■ 69.2586, 82.2045,
106.8245

■ 76.6795, 87.5046,
107.4564

■ 85.2621, 93.4293,
108.1476

■ 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.



44.6620, 63.9624, 75.2306



47.4346, 63.9624, 104.4537



53.8177, 63.9624, 127.8739

Triad

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



47.4346, 63.9624, 104.4537



78.6888, 63.9624, 92.5808



58.9134, 63.9624, 30.0668

Complementary

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



47.4346, 63.9624, 104.4537



44.4931, 26.8094, 5.9640

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.



68.3493, 63.9624, 32.4786



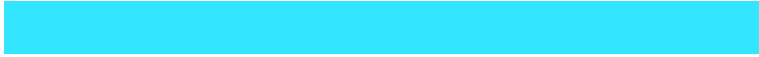
47.4346, 63.9624, 104.4537



80.4073, 63.9624, 64.3414

Square

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



47.4346, 63.9624, 104.4537



71.9709, 63.9624, 119.8843



76.4529, 63.9624, 43.5801



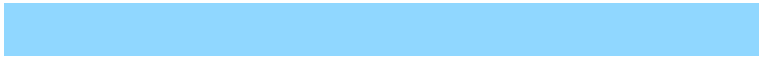
50.8393, 63.9624, 35.8633

Rectangle

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



47.4346, 63.9624, 104.4537



59.5806, 63.9624, 134.4061



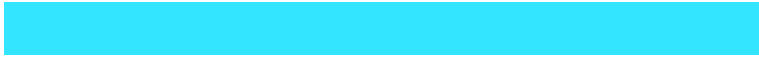
76.4529, 63.9624, 43.5801



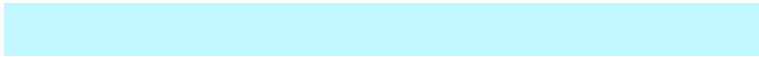
62.0245, 63.9624, 29.9697

Sweetspot

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



47.4364, 63.9646, 104.4540



73.5688, 85.3069, 107.1961



38.3900, 72.7298, 18.6389



15.1878, 17.8587, 22.8965



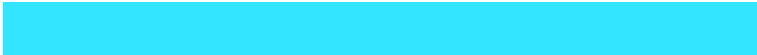
0.0000, 0.0000, 0.0000



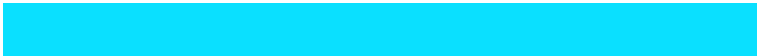
20.3446, 21.4041, 23.3091

Same Dimension

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



47.4364, 63.9646, 104.4540



44.7798, 60.4900, 103.9233



27.2945, 23.6809, 97.7400



18.3457, 20.0631, 23.1556



23.2274, 31.3644, 54.2643



2.3144, 3.1595, 5.3011

Inverse Universe

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



56.5680, 29.2867, 76.8024



54.7782, 26.8524, 72.6752



57.5222, 52.8676, 10.3070



18.6872, 18.2582, 22.2357



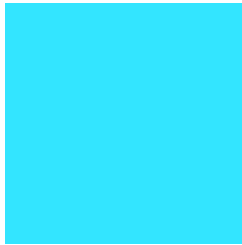
28.5123, 13.8942, 37.6779



2.8028, 1.3635, 3.8089

Previews

White Background



This preview shows how the XYZ color 47.4346, 63.9624, 104.4537 looks on a white background.

Color Contrast Check

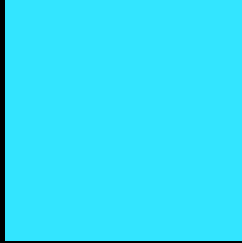
Large Text (above 18pt) WCAG AA × Fail

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 47.4346, 63.9624, 104.4537 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 47.4346, 63.9624, 104.4537

Background



This preview shows how black text looks on a background with the XYZ color 47.4346, 63.9624, 104.4537.

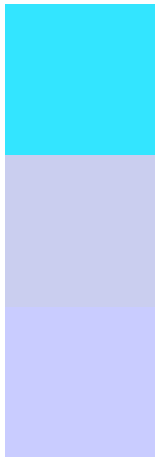


This preview shows how white text looks on a background with the XYZ color 47.4346, 63.9624,

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

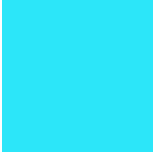
47.4346, 63.9624, 104.4537

Protanopia

62.0084, 62.9312, 90.5401

Deuteranopia

63.7303, 62.8232, 103.3749



Tritanopia

46.4344, 63.9687, 99.5224

Trichromacy



Original Color

47.4346, 63.9624, 104.4537



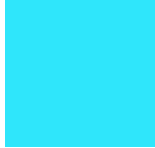
Protanomaly

52.5606, 60.8888, 95.3687



Deuteranomaly

53.6983, 60.9195, 103.5362



Tritanomaly

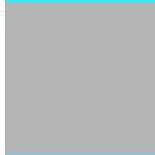
46.8817, 64.1630, 101.1806

Monochromacy



Original Color

47.4346, 63.9624, 104.4537



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.7445, 49.3430, 66.4082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4346, 63.9624, 104.4537 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(51, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 229, 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(51, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.4346, 63.9624, 104.4537 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(51, 229, 255) }
```


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

```
.border{ border-color:rgb(51, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4346, 63.9624, 104.4537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 229, 255) }
```

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

```
.background{ background-color: rgb(51, 229,  
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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