

Converting Colors

XYZ(47.6058, 64.3047,
104.5107)

Have a look what the booklet for
XYZ(47.6058, 64.3047, 104.5107)
contains.

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Color

**XYZ(47.7121, 64.5174,
104.5462)**

Conversions

Conversions Part 1

Format	Color
Hex	33E6FF
RGB	51, 230, 255
RGB Percent	20%, 90%, 100%
CMY	0.7999, 0.0980, 0.0000
CMYK	0.80, 0.10, 0.00, 0.00
HSL	187°, 100%, 60%
HSV	187°, 80%, 100%
XYZ	47.7121, 64.5174, 104.5462
YIQ	179.3290, -114.7090, -30.1730

Conversions

Conversions Part 2

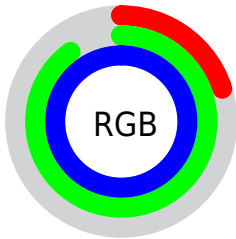
Format	Color
R _{YB}	51, 146, 255
Decimal	3401471
CIE Lab	84.23, -34.67, -24.49
CIE LCh	84, 42.448, 215.237
Yxy	64.5174, 0.2201, 0.2976
Android (android.graphics.Color)	4281591551 (0xFF33E6FF)
YUV	179.3290, 37.3058, -112.5445
Hunter-Lab	80.3227, -34.5349, -20.9446

Details

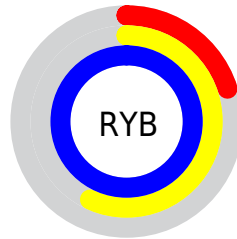
The XYZ color **47.7121, 64.5174, 104.5462** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.4236, 26.6704, 5.9408**, and the grayscale version is **42.8780, 45.1110, 49.1259**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **25.3291, 34.3493, 58.7212** is the 20% darker color. If you saturate the color by 10%, you get **45.8996, 62.3049, 104.2146**, and if you desaturate by 10%, it is **50.2471, 67.1282, 104.9165**.

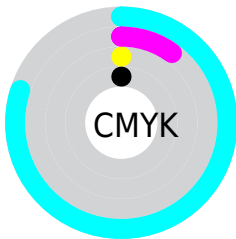
Distribution



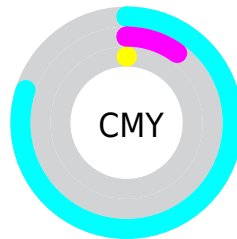
- Red (20%)
- Green (90%)
- Blue (100%)



- 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 47.7121, 64.5174, 104.5462 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 47.7121, 64.5174, 104.5462 by changing the saturation by 10% instead.

47.7121, 64.5174,
104.5462

47.7121, 64.5174,
104.5462

368.2514,
441.0557, 596.0427

33.8093, 47.0699,
79.4647

85.9879, 111.3557,
169.4970

22.9093, 33.0909,
58.7544

111.0915,
141.5153, 210.2033

14.6469, 22.1961,
41.9967

140.6595,
176.6811, 256.9550

8.6566, 14.0010,
28.7732

175.0571,
217.2373, 310.1706

4.5732, 8.1214,
18.6652

214.6498,
263.5685, 370.2686

2.0313, 4.1727,
11.2542

259.8028,

0.6514, 1.7706,

316.0591, 437.6676

6.1218

310.8816,
375.0933, 512.7861

■ 0.0000, 0.4688,
2.8493

■ 0.0000, 0.0000,
1.0182

■ 47.7121, 64.5174,
104.5462

■ 47.7121, 64.5174,
104.5462

■ 45.8996, 62.3049,
104.2146

■ 50.2471, 67.1282,
104.9165

■ 44.6396, 60.3989,
103.9131

■ 53.6001, 70.1826,
105.3293

■ 44.6387, 60.3974,
103.9129

■ 57.8573, 73.7265,
105.7890

■ 63.0927, 77.7982,
106.2990

■ 69.3723, 82.4319,
106.8624

■ 76.7566, 87.6588,
107.4821

■ 85.3013, 93.5076,
108.1607

■ 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.



45.0264, 64.5174, 75.0798



47.7121, 64.5174, 104.5462



54.0583, 64.5174, 128.5154

Triad

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



47.7121, 64.5174, 104.5462



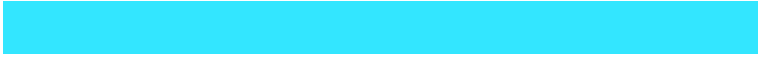
79.2420, 64.5174, 94.2380



59.6869, 64.5174, 30.2812

Complementary

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



47.7121, 64.5174, 104.5462



44.4236, 26.6704, 5.9408

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.



69.2085, 64.5174, 32.9487



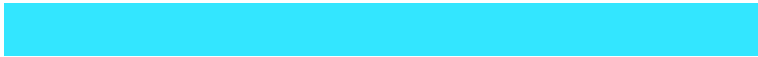
47.7121, 64.5174, 104.5462



81.1393, 64.5174, 65.6290

Square

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



47.7121, 64.5174, 104.5462



72.3523, 64.5174, 121.5771



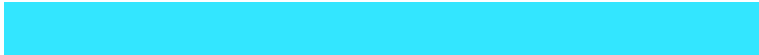
77.3009, 64.5174, 44.4154



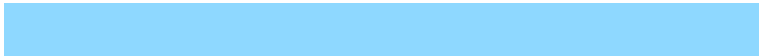
51.4737, 64.5174, 35.8839

Rectangle

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



47.7121, 64.5174, 104.5462



59.8332, 64.5174, 135.4904



77.3009, 64.5174, 44.4154



62.8350, 64.5174, 30.2599

Sweetspot

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



47.7139, 64.5196, 104.5465



73.6608, 85.4907, 107.2268



38.3900, 72.7298, 18.6389



15.2102, 17.9036, 22.9040



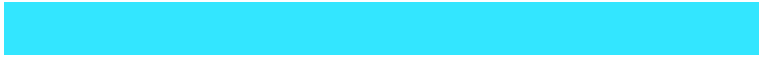
0.0000, 0.0000, 0.0000



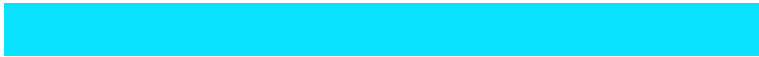
20.3446, 21.4041, 23.3091

Same Dimension

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



47.7139, 64.5196, 104.5465



45.1031, 61.1366, 104.0311



27.2945, 23.6809, 97.7400



18.3537, 20.0790, 23.1582



23.3996, 31.7089, 54.3217



2.3295, 3.1896, 5.3062

Inverse Universe

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



56.7081, 29.3428, 77.5400



54.9414, 26.9177, 73.5345



57.5222, 52.8676, 10.3070



18.6912, 18.2598, 22.2569



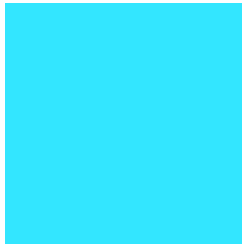
28.5993, 13.9290, 38.1357



2.8104, 1.3665, 3.8490

Previews

White Background



This preview shows how the XYZ color 47.7121, 64.5174, 104.5462 looks on a white background.

Color Contrast Check

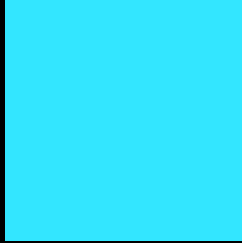
Large Text (above 18pt) WCAG AA × Fail

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 47.7121, 64.5174, 104.5462 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 47.7121, 64.5174, 104.5462

Background



This preview shows how black text looks on a background with the XYZ color 47.7121, 64.5174, 104.5462.

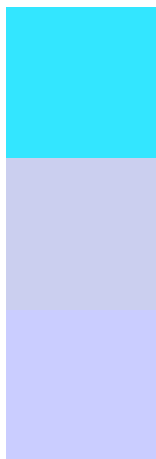


This preview shows how white text looks on a background with the XYZ color 47.7121, 64.5174,

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

47.7121, 64.5174, 104.5462

Protanopia

62.5214, 63.5542, 90.6333

Deuteranopia

64.2384, 63.4392, 103.4670



Tritanopia

46.9134, 64.6118, 100.4412

Trichromacy



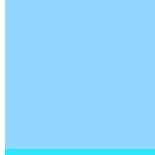
Original Color

47.7121, 64.5174, 104.5462



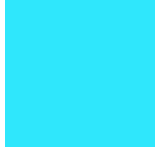
Protanomaly

52.9946, 61.4893, 95.4617



Deuteranomaly

54.1292, 61.5162, 103.6286



Tritanomaly

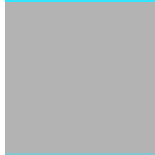
47.3189, 64.7844, 102.1061

Monochromacy



Original Color

47.7121, 64.5174, 104.5462



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.9723, 49.7987, 66.4841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7121, 64.5174, 104.5462 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, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 230, 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, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 230, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.7121, 64.5174, 104.5462 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, 230, 255) }
```


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

```
.border{ border-color:rgb(51, 230, 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, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 230,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7121, 64.5174, 104.5462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 230, 255) }
```

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

```
.background{ background-color: rgb(51, 230,  
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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