

Converting Colors

XYZ(64.1111, 83.5187,
106.3851)

Have a look what the booklet for
XYZ(64.1111, 83.5187, 106.3851)
contains.

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Color

**XYZ(64.1464, 83.6148,
106.5243)**

Conversions

Conversions Part 1

Format	Color
Hex	8CFEFE
RGB	140, 254, 254
RGB Percent	55%, 100%, 100%
CMY	0.4510, 0.0039, 0.0039
CMYK	0.45, 0.00, 0.00, 0.00
HSL	180°, 98%, 77%
HSV	180°, 45%, 100%
XYZ	64.1464, 83.6148, 106.5243
YIQ	219.9140, -67.9440, -24.1680

Conversions

Conversions Part 2

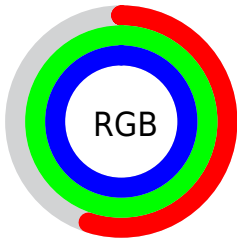
Format	Color
RYB	140, 197, 254
Decimal	9240318
CIELab	93.28, -32.47, -10.13
CIELCh	93, 34.011, 197.322
Yxy	83.6148, 0.2523, 0.3288
Android (android.graphics.Color)	4287430398 (0xFF8CFEFE)
YUV	219.9140, 16.8044, -70.0846
Hunter-Lab	91.4411, -34.8033, -5.0611

Details

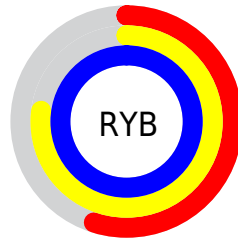
The XYZ color **64.1464, 83.6148, 106.5243** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.9876, 41.7229, 29.9690**, and the grayscale version is **67.8901, 71.4257, 77.7826**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **33.2687, 45.6260, 59.8766** is the 20% darker color. If you saturate the color by 10%, you get **60.3511, 81.6602, 106.3481**, and if you desaturate by 10%, it is **68.9344, 86.0851, 106.7507**.

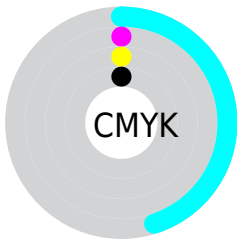
Distribution



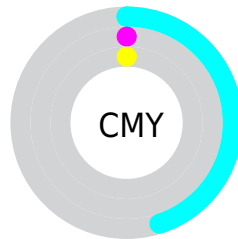
- Red (55%)
- Green (100%)
- Blue (100%)



- Red (55%)
- Yellow (77%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.1464, 83.6148, 106.5243 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 64.1464, 83.6148, 106.5243 by changing the saturation by 10% instead.


 64.1464, 83.6148,
106.5243


 64.1464, 83.6148,
106.5243


429.3120,
507.0332, 602.3382

 47.0314, 62.6975,
81.1132

 109.8943,
138.4362, 172.2243

 33.2685, 45.5965,
60.1033


 139.2579,
173.1091, 213.3504

 22.4924, 31.9275,
43.0760


173.4351,
213.1359, 260.5517

 14.3378, 21.3061,
29.6129

212.7912,
258.9011, 314.2470

 8.4393, 13.3480,
19.2954

257.6916,
310.7890, 374.8548

 4.4314, 7.6686,
11.7050

308.5016,

 1.9490, 3.8836,

369.1841, 442.7935

6.4230

365.5866,
434.4707, 518.4818

■ 0.6051, 1.6087,
3.0311

■ 0.0000, 0.3634,
1.1105

■ 64.1464, 83.6148,
106.5243

■ 64.1464, 83.6148,
106.5243

■ 60.3511, 81.6602,
106.3481

■ 68.9344, 86.0851,
106.7507

■ 57.4721, 80.1761,
106.2129

■ 74.7701, 89.0935,
107.0243

■ 55.4342, 79.1255,
106.1170

■ 81.7130, 92.6727,
107.3496

■ 54.1467, 78.4618,
106.0563

■ 89.8163, 96.8500,
107.7293

■ 53.4984, 78.1276,
106.0255

94.5733, 99.3023,
107.9524

■ 53.3323, 78.0420,
106.0175

94.5734, 99.3024,
107.9529

94.5734, 99.3024,
107.9534

94.5735, 99.3025,
107.9539

94.5736, 99.3025,
107.9543

Harmonies

Analogous

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



63.8339, 83.6148, 80.6452



64.1464, 83.6148, 106.5243



68.3659, 83.6148, 132.3096

Triad

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



64.1464, 83.6148, 106.5243



92.8126, 83.6148, 128.7182



83.3116, 83.6148, 50.9167

Complementary

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



64.1464, 83.6148, 106.5243



54.9876, 41.7229, 29.9690

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.



91.7231, 83.6148, 59.3946



64.1464, 83.6148, 106.5243



97.4789, 83.6148, 102.2966

Square

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



64.1464, 83.6148, 106.5243



84.7098, 83.6148, 146.6830



97.0658, 83.6148, 77.1381



74.4573, 83.6148, 51.6218

Rectangle

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



64.1464, 83.6148, 106.5243



73.0194, 83.6148, 144.5283



97.0658, 83.6148, 77.1381



86.2968, 83.6148, 52.7087

Sweetspot

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



64.1489, 83.6181, 106.5263



83.8882, 94.2459, 108.3770



51.3162, 78.5223, 37.2646



17.5930, 19.9856, 23.1802



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.



64.1489, 83.6181, 106.5263



61.1860, 82.5425, 107.3126



49.1076, 53.5349, 101.5145



18.5549, 20.4815, 23.2252



28.1164, 41.1432, 55.8917



2.7376, 4.0060, 5.4420

Inverse Universe

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



54.9876, 41.7229, 29.9690



50.8650, 35.3441, 21.0644



65.1472, 62.0424, 33.3546



18.0095, 17.9871, 18.6671



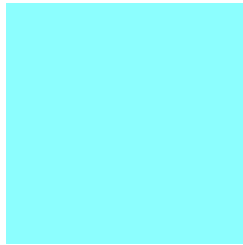
21.5488, 11.1088, 1.0086



2.0981, 1.0816, 0.0982

Previews

White Background



This preview shows how the XYZ color 64.1464, 83.6148, 106.5243 looks on a white background.

Color Contrast Check

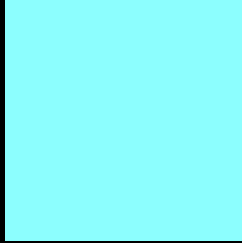
Large Text (above 18pt) WCAG AA × Fail

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 64.1464, 83.6148, 106.5243 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 64.1464, 83.6148, 106.5243

Background



This preview shows how black text looks on a background with the XYZ color 64.1464, 83.6148, 106.5243.

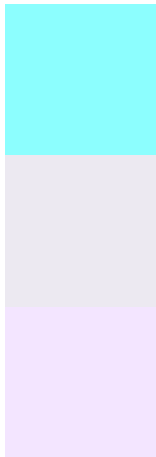


This preview shows how white text looks on a background with the XYZ color 64.1464, 83.6148,

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

64.1464, 83.6148, 106.5243

Protanopia

79.6082, 82.4616, 94.9400

Deuteranopia

83.0315, 82.3133, 106.1196



Tritanopia

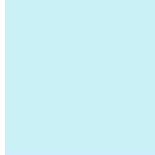
72.3930, 83.2588, 106.8628

Trichromacy



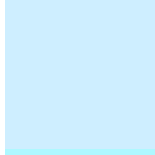
Original Color

64.1464, 83.6148, 106.5243



Protanomaly

72.1772, 81.9819, 99.2087



Deuteranomaly

74.0781, 81.4909, 106.4327



Tritanomaly

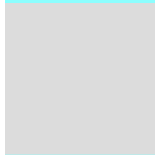
69.0730, 83.3535, 107.0560

Monochromacy



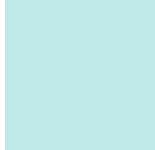
Original Color

64.1464, 83.6148, 106.5243



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.9080, 74.6158, 87.3252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1464, 83.6148, 106.5243 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(140, 254, 254)` looks like.

```
.text, #text, p{  
    color:rgb(140, 254, 254)  
}
```

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(140, 254, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 254, 254) }
```

Border

The CSS property to change the border of an element to XYZ 64.1464, 83.6148, 106.5243 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(140, 254, 254) }
```


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

```
.border{ border-color:rgb(140, 254, 254) }
```

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

Here you see how a box with a 4 pixel rgb(140, 254, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 254, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 254, 254);  
box-shadow:4px 4px 4px 4px rgb(140, 254,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1464, 83.6148, 106.5243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 254, 254) }
```

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

```
.background{ background-color: rgb(140,  
254, 254) }
```

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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