Converting Colors

XYZ(64.4188, 76.1260, 103.0109)

Have a look what the booklet for XYZ(64.4188, 76.1260, 103.0109) contains.

Color

XYZ(64.4324, 76.1427, 103.3965)

Conversions

Conversions Part 1

Format	Color
Hex	AAEDFC
RGB	170, 237, 252
RGB Percent	67%, 93%, 99%
CMY	0.3333, 0.0706, 0.0118
CMYK	0.33, 0.06, 0.00, 0.01
HSL	191°, 93%, 83%
HSV	191°, 33%, 99%
XYZ	64.4324, 76.1427, 103.3965
YIQ	218.6770, -44.7470, -9.5390

Conversions

Conversions Part 2

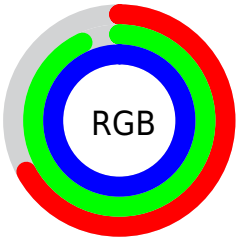
Format	Color
RYB	170, 207, 252
Decimal	11202044
CIELab	89.93, -17.35, -13.95
CIELCh	90, 22.261, 218.812
Yxy	76.1427, 0.2641, 0.3121
Android (android.graphics.Color)	4289392124 (0xFFAAEDFC)
YUV	218.6770, 16.4282, -42.6897
Hunter-Lab	87.2598, -20.9007, -9.1725

Details

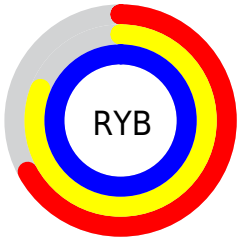
The XYZ color 64.4324, 76.1427, 103.3965 is a light color, and the websafe version is hex CCFFFF. A complement of this color would be 64.7505, 58.2963, 45.8715, and the grayscale version is 67.0221, 70.5125, 76.7881.

A 20% lighter version of the original color is 85.4886, 95.0709, 108.4525, and 33.4444, 40.6327, 57.7099 is the 20% darker color. If you saturate the color by 10%, you get 58.1814, 70.9663, 102.7281, and if you desaturate by 10%, it is 71.7664, 81.9320, 104.1287.

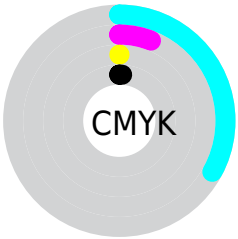
Distribution



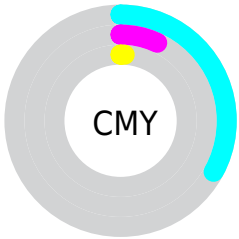
- Red (67%)
- Green (93%)
- Blue (99%)



- Red (67%)
- Yellow (81%)
- Blue (99%)



- Cyan (33%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)



- Cyan (33%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4324, 76.1427, 103.3965 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 64.4324, 76.1427, 103.3965 by changing the saturation by 10% instead.

64.4324, 76.1427, 103.3965

64.4324, 76.1427, 103.3965

430.3270, 481.8360, 592.3676

47.2640, 56.5495, 78.5075

110.3037, 127.9286, 167.9094

33.4532, 40.6437, 57.9720

139.7373, 160.8901, 208.3704

22.6347, 28.0408, 41.3716

173.9899, 199.0765, 254.8591

14.4432, 18.3564, 28.2877

213.4270, 242.8723, 307.7941

8.5134, 11.2062, 18.3017

258.4139, 292.6617, 367.5939

4.4797, 6.2057, 10.9951

309.3160,

1.9769, 2.9705,

348.8292, 434.6770

366.4985, 411.7592, 509.4621

5.9494

0.6210, 1.1164, 2.7461

0.0000, 0.0000, 0.9665

64.4324, 76.1427, 103.3965

64.4324, 76.1427, 103.3965

58.1814, 70.9663, 102.7281

71.7664, 81.9320, 104.1287

52.9464, 66.3625, 102.1154

80.2319, 88.3540, 104.9221

48.6635, 62.2996, 101.5569

89.8827, 95.4387, 105.7809

45.2586, 58.7391, 101.0491

94.5709, 99.8084, 106.3773

42.6460, 55.6365, 100.5880

40.7222, 52.9379, 100.1685

39.6209, 51.1283, 99.8772

Harmonies

Analogous

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

62.4066, 76.1427, 87.6381

64.4324, 76.1427, 103.3965

68.6125, 76.1427, 114.5078

Triad

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

64.4324, 76.1427, 103.3965

82.6969, 76.1427, 94.3533

70.7617, 76.1427, 56.4116

Complementary

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

64.4324, 76.1427, 103.3965

64.7505, 58.2963, 45.8715

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.

76.2651, 76.1427, 57.7303

64.4324, 76.1427, 103.3965

83.3441, 76.1427, 78.3482

Square

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

64.4324, 76.1427, 103.3965

79.2109, 76.1427, 108.8437

80.9370, 76.1427, 65.3197

65.9373, 76.1427, 61.4564

Rectangle

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

64.4324, 76.1427, 103.3965

72.1522, 76.1427, 117.0600

80.9370, 76.1427, 65.3197

72.5910, 76.1427, 56.1402

Sweetspot

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

64.4347, 76.1457, 103.3983

84.8130, 92.5407, 107.9998

60.0063, 81.6151, 57.7567

17.8669, 19.5951, 23.0905

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.

64.4347, 76.1457, 103.3983

61.9029, 74.7021, 105.7641

54.1919, 55.6601, 99.9840

17.4800, 19.0369, 22.1385

20.7393, 26.8342, 52.0600

1.9886, 2.6209, 4.8442

Inverse Universe

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

69.8075, 55.5612, 87.1692

68.3115, 50.9896, 86.2176

74.2372, 77.2697, 49.0337

17.8488, 17.4669, 21.0597

26.7603, 13.1198, 31.7757

2.5127, 1.2288, 3.1231

Previews

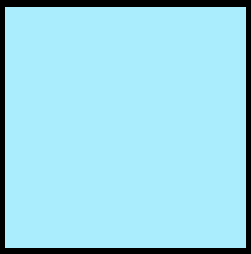
White Background

This preview shows how the XYZ color 64.4324, 76.1427, 103.3965 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



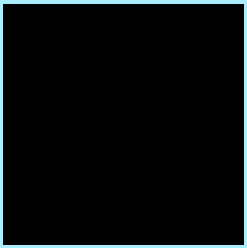
This preview shows how the XYZ color 64.4324, 76.1427, 103.3965 looks on a black background.

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 64.4324, 76.1427, 103.3965 Background



This preview shows how black text looks on a background with the XYZ color 64.4324, 76.1427, 103.3965.

This preview shows how white text looks on a background with the XYZ color 64.4324, 76.1427,

103.3965.

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
64.4324, 76.1427, 103.3965

Protanopia
73.7253, 75.6903, 96.3119

Deuteranopia
77.2475, 75.7300, 105.1537

Tritanopia
65.0587, 75.9816, 105.8447

Trichromacy

Original Color
64.4324, 76.1427, 103.3965

Protanomaly
69.7097, 75.5914, 98.9122

Deuteranomaly
71.6641, 75.2501, 104.5136

Tritanomaly
64.6794, 75.8046, 104.9887

Monochromacy

Original Color
64.4324, 76.1427, 103.3965

Achromatopsia
67.3311, 70.8376, 77.1421

Achromatomaly
65.7076, 72.5797, 86.1474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4324, 76.1427, 103.3965 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(170, 237, 252) looks like.

```
.text, #text, p{
    color:rgb(170, 237, 252)
}
```

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(170, 237, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 237, 252) }
```

Border

The CSS property to change the border of an element to XYZ 64.4324, 76.1427, 103.3965 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(170, 237, 252) }
```

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

```
.border{ border-color:rgb(170, 237, 252) }
```

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

Here you see how a box with a 4 pixel rgb(170, 237, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 237, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 237, 252); box-shadow:4px 4px 4px 4px rgb(170, 237, 252) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4324, 76.1427, 103.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(170, 237, 252) }
```

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

```
.background{ background-color:rgb(170,
237, 252) }
```

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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