Converting Colors

XYZ(71.5875, 81.2185, 94.1083)

Have a look what the booklet for XYZ(71.5875, 81.2185, 94.1083) contains.

Color

XYZ(71.7901, 81.4488, 94.3755)

Conversions

Conversions Part 1

Format	Color
Hex	CCF0F0
RGB	204, 240, 240
RGB Percent	80%, 94%, 94%
CMY	0.2000, 0.0588, 0.0588
CMYK	0.15, 0.00, 0.00, 0.06
HSL	180°, 55%, 87%
HSV	180°, 15%, 94%
XYZ	71.7901, 81.4488, 94.3755
YIQ	229.2360, -21.4560, -7.6320

Conversions

Conversions Part 2

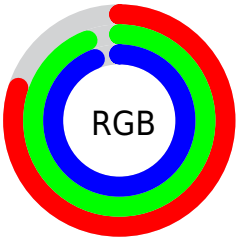
Format	Color
RYB	204, 222, 240
Decimal	13431024
CIELab	92.33, -11.59, -3.91
CIELCh	92, 12.237, 198.650
Yxy	81.4488, 0.2899, 0.3289
Android (android.graphics.Color)	4291621104 (0xFFCCF0F0)
YUV	229.2360, 5.3067, -22.1320
Hunter-Lab	90.2490, -15.9449, 1.1733

Details

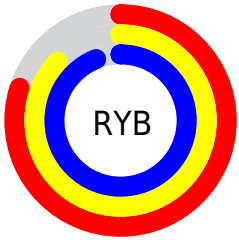
The XYZ color 71.7901, 81.4488, 94.3755 is a light color, and the websafe version is hex CCFFFF. A complement of this color would be 68.4301, 66.0729, 66.2770, and the grayscale version is 74.6253, 78.5116, 85.4991.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 38.1866, 44.1312, 51.8529 is the 20% darker color. If you saturate the color by 10%, you get 65.7125, 78.3179, 94.0911, and if you desaturate by 10%, it is 78.8861, 85.1091, 94.7110.

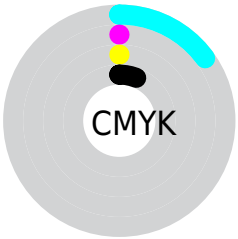
Distribution



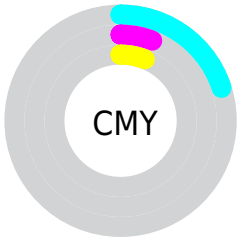
- Red (80%)
- Green (94%)
- Blue (94%)



- Red (80%)
- Yellow (87%)
- Blue (94%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)



- Cyan (20%)
- Magenta (6%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.7901, 81.4488, 94.3755 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 71.7901, 81.4488, 94.3755 by changing the saturation by 10% instead.

71.7901, 81.4488, 94.3755

71.7901, 81.4488, 94.3755

455.9797, 499.8021, 563.0970

53.2721, 60.9113, 71.0213

120.7705, 135.4008, 155.3897

38.2484, 44.1536, 51.8776

151.9635, 169.5840, 193.8868

26.3536, 30.7913, 36.5260

188.1123, 209.0846, 238.2686

17.2224, 20.4400, 24.5478

229.5822, 254.2870, 288.9536

10.4895, 12.7153, 15.5245

276.7385, 305.5755, 346.3604

5.7894, 7.2328, 9.0376

329.9466,

2.7569, 3.6081,

363.3346, 410.9075

389.5719, 427.9487, 483.0135

4.6686

1.0265, 1.4568, 1.9988

0.0000, 0.2581, 0.5546

71.7901, 81.4488, 94.3755

71.7901, 81.4488, 94.3755

65.7125, 78.3179, 94.0911

78.8861, 85.1091, 94.7110

60.5999, 75.6823, 93.8501

87.0367, 89.3108, 95.0942

56.4048, 73.5197, 93.6520

88.1310, 89.8749, 95.1471

53.0730, 71.8021, 93.4943

88.1313, 89.8750, 95.1489

50.5445, 70.4986, 93.3743

88.1316, 89.8751, 95.1506

48.7514, 69.5743, 93.2886

88.1320, 89.8753, 95.1524

47.6152, 68.9886, 93.2337

88.1323, 89.8754, 95.1541

47.0389, 68.6916, 93.2050

88.1326, 89.8755, 95.1559

46.8872, 68.6134, 93.1971

88.1330, 89.8757, 95.1576

Harmonies

Analogous

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

71.5995, 81.4488, 85.2977

71.7901, 81.4488, 94.3755

73.4630, 81.4488, 102.4227

Triad

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

71.7901, 81.4488, 94.3755

82.0739, 81.4488, 100.7048

78.6186, 81.4488, 72.6687

Complementary

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

71.7901, 81.4488, 94.3755

68.4301, 66.0729, 66.2770

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.

81.5055, 81.4488, 76.2322

71.7901, 81.4488, 94.3755

83.5364, 81.4488, 92.1585

Square

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

71.7901, 81.4488, 94.3755

79.3773, 81.4488, 106.2452

83.3255, 81.4488, 83.2259

75.4846, 81.4488, 73.1729

Rectangle

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

71.7901, 81.4488, 94.3755

75.2200, 81.4488, 105.9287

83.3255, 81.4488, 83.2259

79.6516, 81.4488, 73.4203

Sweetspot

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

71.7925, 81.4522, 94.3773

90.5136, 97.6614, 108.6867

67.1282, 79.6055, 68.9556

19.2424, 20.8359, 23.2573

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.

71.7925, 81.4522, 94.3773

80.1321, 92.3096, 108.1983

66.9133, 71.6931, 92.7534

16.2474, 17.9290, 20.3256

25.6656, 37.5582, 51.0153

2.1352, 3.1245, 4.2441

Inverse Universe

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

68.4301, 66.0729, 66.2770

75.5865, 71.5186, 70.2099

72.7994, 74.8122, 67.7315

15.7729, 15.7589, 16.3605

19.6716, 10.1411, 0.9211

1.6365, 0.8436, 0.0767

Previews

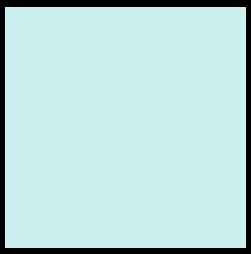
White Background

This preview shows how the XYZ color 71.7901, 81.4488, 94.3755 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



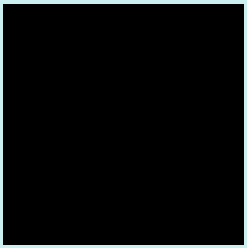
This preview shows how the XYZ color 71.7901, 81.4488, 94.3755 looks on a black background.

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 71.7901, 81.4488, 94.3755 Background



This preview shows how black text looks on a background with the XYZ color 71.7901, 81.4488, 94.3755.

This preview shows how white text looks on a background with the XYZ color 71.7901, 81.4488,

94.3755.

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
71.7901, 81.4488, 94.3755

Protanopia
78.1634, 80.9829, 90.1089

Deuteranopia
82.7984, 81.1878, 96.1009

Tritanopia
74.6287, 81.3437, 106.3753

Trichromacy

Original Color
71.7901, 81.4488, 94.3755

Protanomaly
75.4494, 80.8074, 91.7415

Deuteranomaly
78.2072, 80.8863, 95.4951

Tritanomaly
73.5620, 81.3166, 102.2610

Monochromacy

Original Color
71.7901, 81.4488, 94.3755

Achromatopsia
74.4753, 78.3538, 85.3273

Achromatomaly
73.3621, 79.3767, 88.5454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7901, 81.4488, 94.3755 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(204, 240, 240) looks like.

```
.text, #text, p{
    color:rgb(204, 240, 240)
}
```

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(204, 240, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 240, 240) }
```

Border

The CSS property to change the border of an element to XYZ 71.7901, 81.4488, 94.3755 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(204, 240, 240) }
```

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

```
.border{ border-color:rgb(204, 240, 240) }
```

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

Here you see how a box with a 4 pixel rgb(204, 240, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 240, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 240, 240); box-shadow:4px 4px 4px 4px rgb(204, 240, 240) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7901, 81.4488, 94.3755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(204, 240, 240) }
```

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

```
.background{ background-color:rgb(204,
240, 240) }
```

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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