Converting Colors

XYZ(76.3256, 90.6229, 95.5695)

Have a look what the booklet for XYZ(76.3256, 90.6229, 95.5695) contains.

Color

XYZ(76.3900, 90.6486, 95.9088)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFF0
RGB	204, 255, 240
RGB Percent	80%, 100%, 94%
CMY	0.2000, 0.0000, 0.0588
CMYK	0.20, 0.00, 0.06, 0.00
HSL	162°, 100%, 90%
HSV	162°, 20%, 100%
XYZ	76.3900, 90.6486, 95.9088
YIQ	238.0410, -25.5810, -15.4770

Conversions

Conversions Part 2

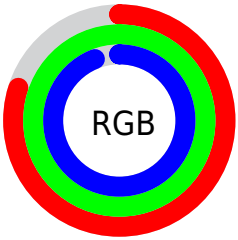
Format	Color
RYB	204, 234, 255
Decimal	13434864
CIELab	96.27, -19.03, 1.84
CIELCh	96, 19.116, 174.468
Yxy	90.6486, 0.2905, 0.3447
Android (android.graphics.Color)	4291624944 (0xFFCCFFF0)
YUV	238.0410, 0.9658, -29.8540
Hunter-Lab	95.2096, -23.3999, 6.9213

Details

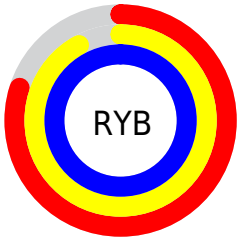
The XYZ color 76.3900, 90.6486, 95.9088 is a light color, and the websafe version is hex CCFFFF. A complement of this color would be 75.6197, 69.5613, 76.4593, and the grayscale version is 81.3064, 85.5407, 93.1538.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 41.2402, 50.2384, 52.8708 is the 20% darker color. If you saturate the color by 10%, you get 68.8726, 86.8993, 89.8619, and if you desaturate by 10%, it is 85.0996, 95.0072, 102.2548.

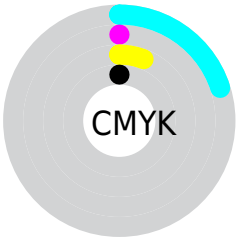
Distribution



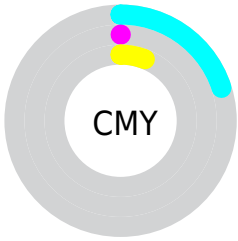
- Red (80%)
- Green (100%)
- Blue (94%)



- Red (80%)
- Yellow (92%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.3900, 90.6486, 95.9088 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 76.3900, 90.6486, 95.9088 by changing the saturation by 10% instead.

76.3900, 90.6486, 95.9088

76.3900, 90.6486, 95.9088

471.6056, 530.1385, 568.1288

57.0505, 68.5187, 72.2905

127.2555, 148.2390, 157.5259

41.2861, 50.3198, 52.9078

159.5122, 184.4683, 196.3618

28.7314, 35.6676, 37.3419

196.8054, 226.1662, 241.1074

19.0210, 24.1776, 25.1745

239.5003, 273.7171, 292.1812

11.7895, 15.4654, 15.9869

287.9625, 327.5054, 350.0017

6.6717, 9.1467, 9.3606

342.5572,

3.3021, 4.8370,

387.9154, 414.9874

403.6498, 455.3317, 487.5569

4.8771

1.3155, 2.1519, 2.1179

0.1948, 0.6936, 0.6264

76.3900, 90.6486, 95.9088

76.3900, 90.6486, 95.9088

68.8726, 86.8993, 89.8619

85.0996, 95.0072, 102.2548

62.4883, 83.7289, 84.1041

95.0500, 100.0000, 108.9000

57.1774, 81.1067, 78.6311

52.8731, 78.9983, 73.4369

49.5011, 77.3654, 68.5149

46.9763, 76.1642, 63.8581

45.1973, 75.3427, 59.4586

43.9989, 74.8156, 55.3053

43.9988, 74.8155, 55.3049

Harmonies

Analogous

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

78.1136, 90.6486, 82.6632

76.3900, 90.6486, 95.9088

77.1953, 90.6486, 111.3151

Triad

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

76.3900, 90.6486, 95.9088

90.4575, 90.6486, 127.7815

92.2300, 90.6486, 76.7647

Complementary

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

76.3900, 90.6486, 95.9088

75.6197, 69.5613, 76.4593

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.

95.7906, 90.6486, 87.0776

76.3900, 90.6486, 95.9088

94.7382, 90.6486, 116.6894

Square

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

76.3900, 90.6486, 95.9088

85.1783, 90.6486, 130.7623

96.7268, 90.6486, 101.5467

87.1468, 90.6486, 72.3618

Rectangle

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

76.3900, 90.6486, 95.9088

79.0755, 90.6486, 120.6357

96.7268, 90.6486, 101.5467

93.6529, 90.6486, 79.6005

Sweetspot

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

76.3909, 90.6491, 95.9103

88.9273, 96.9264, 104.8761

75.9636, 90.9866, 70.6867

18.8974, 20.6776, 22.3554

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.

76.3909, 90.6491, 95.9103

73.2431, 89.0774, 93.4551

75.5445, 85.2418, 107.0794

18.3138, 20.3851, 21.9556

23.0588, 39.1201, 29.2589

2.2930, 3.8281, 3.1008

Inverse Universe

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

75.6197, 69.5613, 76.4593

72.3456, 64.4979, 70.7906

76.2371, 73.8151, 67.3578

18.2291, 18.0750, 19.8237

22.2686, 11.3967, 4.7991

2.2135, 1.1278, 0.7059

Previews

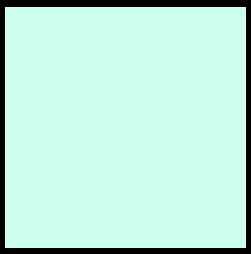
White Background

This preview shows how the XYZ color 76.3900, 90.6486, 95.9088 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



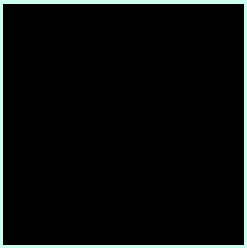
This preview shows how the XYZ color 76.3900, 90.6486, 95.9088 looks on a black background.

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 76.3900, 90.6486, 95.9088 Background



This preview shows how black text looks on a background with the XYZ color 76.3900, 90.6486, 95.9088.

This preview shows how white text looks on a background with the XYZ color 76.3900, 90.6486,

95.9088.

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
76.3900, 90.6486, 95.9088

Protanopia
86.1829, 90.3084, 89.9797

Deuteranopia
88.7292, 90.1118, 98.3047

Tritanopia
83.9608, 90.1205, 107.5775

Trichromacy

Original Color
76.3900, 90.6486, 95.9088

Protanomaly
82.0054, 89.9013, 92.3874

Deuteranomaly
83.4221, 89.6087, 97.6934

Tritanomaly
80.9498, 90.0256, 103.5527

Monochromacy

Original Color
76.3900, 90.6486, 95.9088

Achromatopsia
81.2670, 85.4993, 93.1087

Achromatomaly
79.2947, 87.1021, 94.2945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.3900, 90.6486, 95.9088 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, 255, 240) looks like.

```
.text, #text, p{
    color:rgb(204, 255, 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, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 240) }
```

Border

The CSS property to change the border of an element to XYZ 76.3900, 90.6486, 95.9088 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, 255, 240) }
```

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

```
.border{ border-color:rgb(204, 255, 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, 255, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 255, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 255, 240); box-shadow:4px 4px 4px 4px rgb(204, 255, 240) }
```

Background

The CSS property to change the background color of an element to XYZ 76.3900, 90.6486, 95.9088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(204, 255, 240) }
```

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

```
.background{ background-color:rgb(204,
255, 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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor