Converting Colors

XYZ(53.3809, 72.3923, 67.9709)

Have a look what the booklet for XYZ(53.3809, 72.3923, 67.9709) contains.

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Color

XYZ(53.4412, 72.5613, 67.6890)

Conversions

Conversions Part 1

Format	Color
Hex	90F0CB
RGB	144, 240, 203
RGB Percent	56%, 94%, 80%
CMY	0.4353, 0.0588, 0.2039
CMYK	0.40, 0.00, 0.15, 0.06
HSL	157°, 76%, 75%
HSV	157°, 40%, 94%
XYZ	53.4412, 72.5613, 67.6890
YIQ	207.0780, -45.3390, -31.8590

Conversions

Conversions Part 2

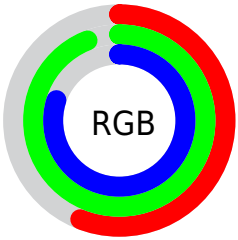
Format	Color
RYB	144, 203, 240
Decimal	9498827
CIELab	88.24, -36.62, 9.03
CIELCh	88, 37.716, 166.151
Yxy	72.5613, 0.2759, 0.3746
Android (android.graphics.Color)	4287688907 (0xFF90F0CB)
YUV	207.0780, -2.0105, -55.3194
Hunter-Lab	85.1829, -37.0846, 12.5144

Details

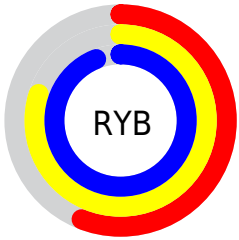
The XYZ color 53.4412, 72.5613, 67.6890 is a light color, and the websafe version is hex 99FFCC. A complement of this color would be 54.2514, 41.8098, 48.9297, and the grayscale version is 59.3936, 62.4866, 68.0480.

A 20% lighter version of the original color is 77.8974, 91.1575, 108.0973, and 26.3828, 38.1116, 34.3995 is the 20% darker color. If you saturate the color by 10%, you get 48.6171, 70.1999, 61.8801, and if you desaturate by 10%, it is 59.2261, 75.4142, 73.8894.

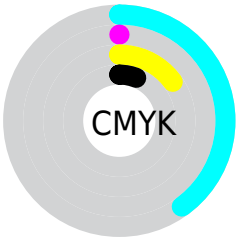
Distribution



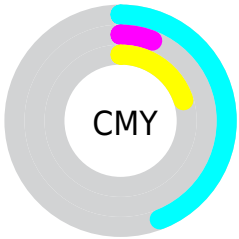
- Red (56%)
- Green (94%)
- Blue (80%)



- Red (56%)
- Yellow (80%)
- Blue (94%)



- Cyan (40%)
- Magenta (0%)
- Yellow (15%)
- Black (6%)



- Cyan (44%)
- Magenta (6%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.4412, 72.5613, 67.6890 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 53.4412, 72.5613, 67.6890 by changing the saturation by 10% instead.

53.4412, 72.5613, 67.6890

53.4412, 72.5613, 67.6890

390.2087, 469.4929, 470.9614

38.3840, 53.6173, 49.1797

94.4150, 122.8542, 117.5571

26.4594, 38.2958, 34.3954

121.0623, 154.9719, 149.7530

17.3021, 26.2124, 22.9177

152.3036, 192.2497, 187.3481

10.5468, 16.9826, 14.3280

188.5044, 235.0719, 230.7610

5.8280, 10.2221, 8.2078

230.0299, 283.8229, 280.4103

2.7804, 5.5464, 4.1385

277.2456,

1.0387, 2.5713,

338.8872, 336.7144

330.5167, 400.6491, 400.0919

1.7017

0.0000, 0.9123, 0.3619

0.0000, 0.0000, 0.0000

53.4412, 72.5613, 67.6890

53.4412, 72.5613, 67.6890

48.6171, 70.1999, 61.8801

59.2261, 75.4142, 73.8894

44.6898, 68.2914, 56.4492

66.0189, 78.7771, 80.4846

41.5964, 66.8056, 51.3887

73.8706, 82.6780, 87.4842

39.2632, 65.7044, 46.6889

82.8270, 87.1404, 94.8959

37.6025, 64.9428, 42.3393

89.5401, 90.4383, 102.5684

36.4670, 64.4451, 38.3262

90.4514, 90.8028, 107.3671

36.4670, 64.4451, 38.3262

Harmonies

Analogous

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

57.1849, 72.5613, 49.3154

53.4412, 72.5613, 67.6890

53.5937, 72.5613, 93.6670

Triad

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

53.4412, 72.5613, 67.6890

73.9124, 72.5613, 137.0625

81.7124, 72.5613, 48.2903

Complementary

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

53.4412, 72.5613, 67.6890

54.2514, 41.8098, 48.9297

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.

87.0312, 72.5613, 65.9623

53.4412, 72.5613, 67.6890

82.2663, 72.5613, 118.7176

Square

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

53.4412, 72.5613, 67.6890

64.8931, 72.5613, 137.8107

87.2423, 72.5613, 91.5210

73.2086, 72.5613, 39.8841

Rectangle

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

53.4412, 72.5613, 67.6890

55.8724, 72.5613, 112.1326

87.2423, 72.5613, 91.5210

83.9635, 72.5613, 53.1466

Sweetspot

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

53.4432, 72.5642, 67.6907

82.8333, 93.9148, 98.7185

55.5825, 74.3308, 37.8044

17.4690, 19.9720, 20.9015

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.

53.4432, 72.5642, 67.6907

56.7332, 81.0194, 72.2083

55.6404, 69.0400, 92.8351

15.9742, 17.8197, 18.8869

20.0288, 35.3035, 21.3324

1.7147, 2.9563, 2.0300

Inverse Universe

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

54.2514, 41.8098, 48.9297

57.7884, 41.2120, 47.9701

52.4611, 43.5201, 32.0219

16.0250, 15.8597, 17.6877

20.8013, 10.5930, 6.8703

1.7777, 0.9001, 0.8202

Previews

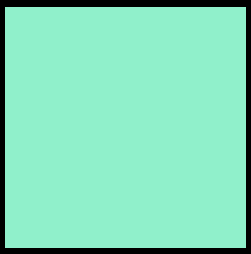
White Background

This preview shows how the XYZ color 53.4412, 72.5613, 67.6890 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



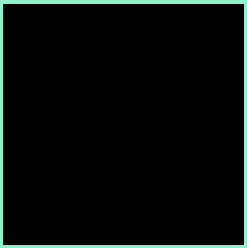
This preview shows how the XYZ color 53.4412, 72.5613, 67.6890 looks on a black background.

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 53.4412, 72.5613, 67.6890 Background



This preview shows how black text looks on a background with the XYZ color 53.4412, 72.5613, 67.6890.

This preview shows how white text looks on a background with the XYZ color 53.4412, 72.5613,

67.6890.

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
53.4412, 72.5613, 67.6890

Protanopia
68.0626, 71.9811, 60.1756

Deuteranopia
73.3089, 71.7848, 70.3137

Tritanopia
60.4199, 72.3740, 102.8806

Trichromacy

Original Color
53.4412, 72.5613, 67.6890

Protanomaly
60.9861, 71.0658, 62.7273

Deuteranomaly
63.9447, 70.8357, 69.3339

Tritanomaly
57.7956, 72.6068, 88.8103

Monochromacy

Original Color
53.4412, 72.5613, 67.6890

Achromatopsia
59.3074, 62.3960, 67.9493

Achromatomaly
56.2393, 65.3096, 68.0344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.4412, 72.5613, 67.6890 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(144, 240, 203) looks like.

```
.text, #text, p{
    color:rgb(144, 240, 203)
}
```

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(144, 240, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 240, 203) }
```

Border

The CSS property to change the border of an element to XYZ 53.4412, 72.5613, 67.6890 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(144, 240, 203) }
```

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

```
.border{ border-color:rgb(144, 240, 203) }
```

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

Here you see how a box with a 4 pixel rgb(144, 240, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 240, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 240, 203); box-shadow:4px 4px 4px 4px rgb(144, 240, 203) }
```

Background

The CSS property to change the background color of an element to XYZ 53.4412, 72.5613, 67.6890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(144, 240, 203) }
```

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

```
.background{ background-color:rgb(144,
240, 203) }
```

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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