

Converting Colors

XYZ(53.1344, 70.0064, 89.7584)

Have a look what the booklet for
XYZ(53.1344, 70.0064, 89.7584)
contains.

XYZ(53.3042, 70.2580, 90.1086)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(53.3042, 70.2580,
90.1086)**

Conversions

Conversions Part 1

Format	Color
Hex	7BECEC
RGB	123, 236, 236
RGB Percent	48%, 93%, 93%
CMY	0.5176, 0.0745, 0.0745
CMYK	0.48, 0.00, 0.00, 0.07
HSL	180°, 75%, 70%
HSV	180°, 48%, 93%
XYZ	53.3042, 70.2580, 90.1086
YIQ	202.2130, -67.3480, -23.9560

Conversions

Conversions Part 2

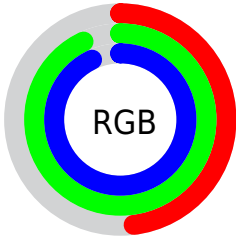
Format	Color
RYB	123, 180, 236
Decimal	8121580
CIELab	87.12, -32.17, -9.97
CIELCh	87, 33.678, 197.227
Yxy	70.2580, 0.2495, 0.3288
Android (android.graphics.Color)	4286311660 (0xFF7BECEC)
YUV	202.2130, 16.6570, -69.4698
Hunter-Lab	83.8200, -33.1705, -5.0642

Details

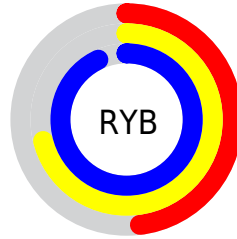
The XYZ color **53.3042, 70.2580, 90.1086** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.2526, 33.4311, 22.8092**, and the grayscale version is **56.2033, 59.1302, 64.3928**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **26.4230, 36.8985, 48.9095** is the 20% darker color. If you saturate the color by 10%, you get **50.3270, 68.7249, 89.9705**, and if you desaturate by 10%, it is **57.0993, 72.2161, 90.2881**.

Distribution



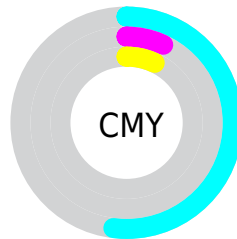
- Red (48%)
- Green (93%)
- Blue (93%)



- Red (48%)
- Yellow (71%)
- Blue (93%)



- Cyan (48%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (52%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3042, 70.2580, 90.1086 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 53.3042, 70.2580, 90.1086 by changing the saturation by 10% instead.

53.3042, 70.2580,
90.1086

53.3042, 70.2580,
90.1086

389.6929,
461.4554, 548.9633

38.2741, 51.7369,
67.4965

94.2147, 119.5766,
149.4261

26.3737, 36.7954,
49.0241

120.8259,
151.1429, 186.9685

17.2376, 25.0491,
34.2729

152.0282,
187.8264, 230.3248

10.5004, 16.1137,
22.8242

188.1868,
230.0114, 279.9136

5.7967, 9.6046,
14.2597

229.6673,
278.0825, 336.1532

2.7614, 5.1376,
8.1607

276.8349,

1.0289, 2.3282,

332.4239, 399.4624

4.1087

330.0550,
393.4200, 470.2595

■ 0.0000, 0.7886,
1.6852

■ 0.0000, 0.0000,
0.3505

■ 53.3042, 70.2580,
90.1086

■ 53.3042, 70.2580,
90.1086

■ 50.3270, 68.7249,
89.9705

■ 57.0993, 72.2161,
90.2881

■ 48.1020, 67.5778,
89.8660

■ 61.7595, 74.6185,
90.5066

■ 46.5636, 66.7848,
89.7936

■ 67.3359, 77.4932,
90.7679

■ 45.6324, 66.3047,
89.7497

■ 73.8738, 80.8636,
91.0742

45.1994, 66.0815,
89.7291

81.4156, 84.7516,
91.4275

45.1368, 66.0492,
89.7261

86.3775, 87.3095,
91.6601

86.3776, 87.3096,
91.6605

86.3777, 87.3096,
91.6608

86.3777, 87.3096,
91.6612

Harmonies

Analogous

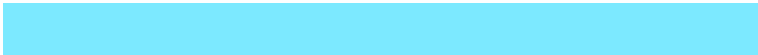
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.0420, 70.2580, 67.2847



53.3042, 70.2580, 90.1086



56.9915, 70.2580, 113.0508

Triad

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



53.3042, 70.2580, 90.1086



78.5511, 70.2580, 109.9801



70.1906, 70.2580, 41.4535

Complementary

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



53.3042, 70.2580, 90.1086



45.2526, 33.4311, 22.8092

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.



77.6254, 70.2580, 48.8207



53.3042, 70.2580, 90.1086



82.7019, 70.2580, 86.5183

Square

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



53.3042, 70.2580, 90.1086



71.3749, 70.2580, 125.9845



82.3504, 70.2580, 64.3338



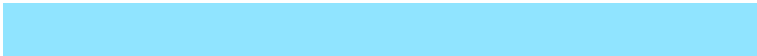
62.3830, 70.2580, 42.0373

Rectangle

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



53.3042, 70.2580, 90.1086



61.0733, 70.2580, 123.9887



82.3504, 70.2580, 64.3338



72.8276, 70.2580, 43.0100

Sweetspot

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



53.3063, 70.2607, 90.1102



83.1136, 93.8466, 108.3408



42.0133, 65.7749, 29.2222



17.4406, 19.9070, 23.1730



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.



53.3063, 70.2607, 90.1102



60.1965, 82.0324, 107.2664



39.9129, 43.4735, 85.6474



15.5177, 17.1219, 19.4092



24.8793, 36.4062, 49.4568



1.9536, 2.8588, 3.8836

Inverse Universe

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



45.2526, 33.4311, 22.8092



49.5738, 33.4547, 18.4975



54.0140, 50.9541, 25.7290



15.0655, 15.0541, 15.6305



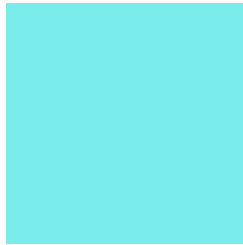
19.0678, 9.8298, 0.8925



1.4973, 0.7719, 0.0701

Previews

White Background



This preview shows how the XYZ color 53.3042, 70.2580, 90.1086 looks on a white background.

Color Contrast Check

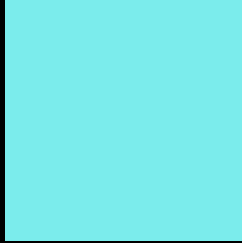
Large Text (above 18pt) WCAG AA × Fail

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 53.3042, 70.2580, 90.1086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

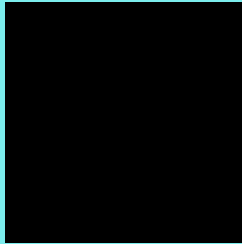
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.3042, 70.2580, 90.1086

Background



This preview shows how black text looks on a background with the XYZ color 53.3042, 70.2580, 90.1086.



This preview shows how white text looks on a background with the XYZ color 53.3042, 70.2580,

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

53.3042, 70.2580, 90.1086

Protanopia

67.2238, 69.5536, 80.4031

Deuteranopia

70.8500, 69.2703, 92.8554



Tritanopia

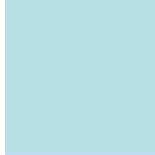
55.6117, 69.8953, 102.6556

Trichromacy



Original Color

53.3042, 70.2580, 90.1086



Protanomaly

60.1584, 68.5671, 83.4629



Deuteranomaly

62.1595, 68.2372, 91.5563



Tritanomaly

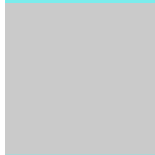
54.6616, 69.9351, 97.8066

Monochromacy



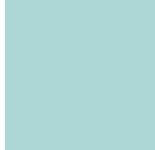
Original Color

53.3042, 70.2580, 90.1086



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

53.4177, 61.8324, 72.7378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3042, 70.2580, 90.1086 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(123, 236, 236)` looks like.

```
.text, #text, p{  
    color:rgb(123, 236, 236)  
}
```

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(123, 236, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 236, 236) }
```

Border

The CSS property to change the border of an element to XYZ 53.3042, 70.2580, 90.1086 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(123, 236, 236) }
```


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

```
.border{ border-color:rgb(123, 236, 236) }
```

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

Here you see how a box with a 4 pixel rgb(123, 236, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 236, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 236, 236);  
box-shadow:4px 4px 4px 4px rgb(123, 236,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3042, 70.2580, 90.1086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 236, 236) }
```

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

```
.background{ background-color: rgb(123,  
236, 236) }
```

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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