

Converting Colors

XYZ(53.4267, 69.1015, 87.6123)

Have a look what the booklet for
XYZ(53.4267, 69.1015, 87.6123)
contains.

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Color

**XYZ(53.3626, 69.0666,
87.6095)**

Conversions

Conversions Part 1

Format	Color
Hex	84E9E9
RGB	132, 233, 233
RGB Percent	52%, 91%, 91%
CMY	0.4823, 0.0863, 0.0863
CMYK	0.43, 0.00, 0.00, 0.09
HSL	180°, 70%, 72%
HSV	180°, 43%, 91%
XYZ	53.3626, 69.0666, 87.6095
YIQ	202.8010, -60.1960, -21.4120

Conversions

Conversions Part 2

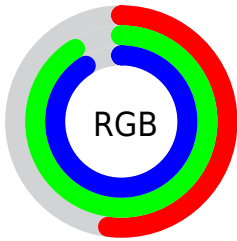
Format	Color
RYB	132, 183, 233
Decimal	8710633
CIELab	86.54, -29.49, -9.23
CIELCh	87, 30.901, 197.384
Yxy	69.0666, 0.2541, 0.3288
Android (android.graphics.Color)	4286900713 (0xFF84E9E9)
YUV	202.8010, 14.8881, -62.0925
Hunter-Lab	83.1063, -30.8211, -4.3283

Details

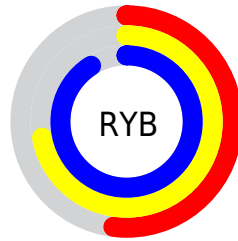
The XYZ color **53.3626, 69.0666, 87.6095** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.0227, 35.4941, 26.2575**, and the grayscale version is **56.5783, 59.5248, 64.8225**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **26.4056, 36.0351, 47.1587** is the 20% darker color. If you saturate the color by 10%, you get **50.1185, 67.3958, 87.4588**, and if you desaturate by 10%, it is **57.4245, 71.1622, 87.8015**.

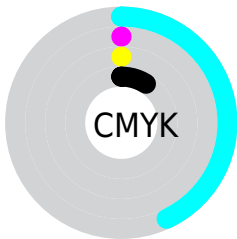
Distribution



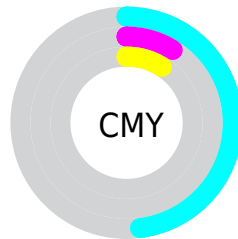
- Red (52%)
- Green (91%)
- Blue (91%)



- Red (52%)
- Yellow (72%)
- Blue (91%)



- Cyan (43%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (48%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.3626, 69.0666, 87.6095 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 53.3626, 69.0666, 87.6095 by changing the saturation by 10% instead.

53.3626, 69.0666,
87.6095

53.3626, 69.0666,
87.6095

389.9128,
457.2658, 540.5917

38.3209, 50.7660,
65.4372

94.3001, 117.8767,
145.9197

26.4102, 36.0224,
47.3621

120.9267,
149.1549, 182.8948

17.2651, 24.4515,
32.9656

152.1456,
185.5278, 225.6411

10.5201, 15.6689,
21.8292

188.3222,
227.3798, 274.5773

5.8101, 9.2901,
13.5343

229.8219,
275.0951, 330.1220

2.7695, 4.9309,
7.6625

277.0100,

1.0331, 2.2068,

329.0583, 392.6935

3.7951

330.2519,
389.6538, 462.7106

■ 0.0000, 0.7237,
1.5136

■ 0.0000, 0.0000,
0.2280

■ 53.3626, 69.0666,
87.6095

■ 53.3626, 69.0666,
87.6095

■ 50.1185, 67.3958,
87.4588

■ 57.4245, 71.1622,
87.8015

■ 47.6312, 66.1136,
87.3419

■ 62.3477, 73.7002,
88.0324

■ 45.8411, 65.1908,
87.2577

■ 68.1800, 76.7069,
88.3057

■ 44.6772, 64.5908,
87.2029

■ 74.9641, 80.2042,
88.6236

■ 44.0532, 64.2691,
87.1732

■ 82.7398, 84.2127,
88.9880

■ 43.8478, 64.1632,
87.1633

■ 85.0888, 85.4236,
89.0983

■ 85.0889, 85.4237,
89.0987

■ 85.0889, 85.4237,
89.0992

■ 85.0890, 85.4237,
89.0996

Harmonies

Analogous

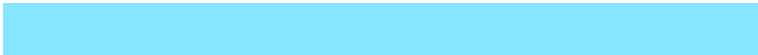
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.1048, 69.0666, 66.9131



53.3626, 69.0666, 87.6095



56.7571, 69.0666, 108.1145

Triad

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



53.3626, 69.0666, 87.6095



76.3089, 69.0666, 105.1868



68.6994, 69.0666, 42.9104

Complementary

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



53.3626, 69.0666, 87.6095



46.0227, 35.4941, 26.2575

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.



75.4171, 69.0666, 49.7547



53.3626, 69.0666, 87.6095



80.0202, 69.0666, 84.1481

Square

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



53.3626, 69.0666, 87.6095



69.8461, 69.0666, 119.4616



79.6824, 69.0666, 64.0246



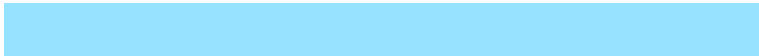
61.6172, 69.0666, 43.4972

Rectangle

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



53.3626, 69.0666, 87.6095



60.4917, 69.0666, 117.7930



79.6824, 69.0666, 64.0246



71.0845, 69.0666, 44.3576

Sweetspot

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



53.3647, 69.0693, 87.6111



83.8881, 94.2459, 108.3770



43.0870, 64.9889, 32.1045



17.5930, 19.9856, 23.1801



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.



53.3647, 69.0693, 87.6111



61.8923, 82.9066, 107.3455



41.4044, 45.1482, 83.6261



15.5177, 17.1219, 19.4092



24.8792, 36.4062, 49.4564



1.9536, 2.8588, 3.8835

Inverse Universe

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



46.0227, 35.4941, 26.2575



51.7866, 36.6927, 22.8966



54.2582, 51.9653, 29.0019



15.0655, 15.0541, 15.6305



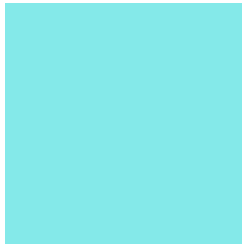
19.0678, 9.8298, 0.8925



1.4973, 0.7719, 0.0701

Previews

White Background



This preview shows how the XYZ color 53.3626, 69.0666, 87.6095 looks on a white background.

Color Contrast Check

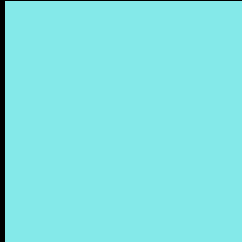
Large Text (above 18pt) WCAG AA × Fail

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 53.3626, 69.0666, 87.6095 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

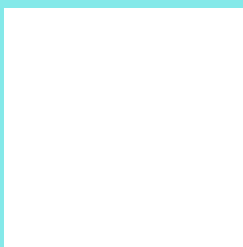
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.3626, 69.0666, 87.6095

Background



This preview shows how black text looks on a background with the XYZ color 53.3626, 69.0666, 87.6095.



This preview shows how white text looks on a background with the XYZ color 53.3626, 69.0666,

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

53.3626, 69.0666, 87.6095

Protanopia

65.8467, 68.1188, 78.7850

Deuteranopia

69.8432, 68.4350, 90.4171



Tritanopia

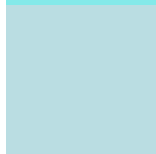
55.9913, 69.3097, 100.0496

Trichromacy



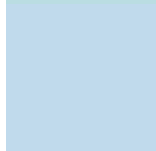
Original Color

53.3626, 69.0666, 87.6095



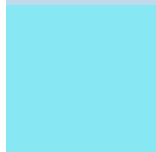
Protanomaly

59.8336, 67.6430, 81.8543



Deuteranomaly

61.9500, 67.4054, 89.1023



Tritanomaly

55.0259, 69.3352, 95.2769

Monochromacy



Original Color

53.3626, 69.0666, 87.6095



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

54.3156, 62.2953, 72.7798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3626, 69.0666, 87.6095 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(132, 233, 233)` looks like.

```
.text, #text, p{  
    color:rgb(132, 233, 233)  
}
```

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(132, 233, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 233, 233) }
```

Border

The CSS property to change the border of an element to XYZ 53.3626, 69.0666, 87.6095 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(132, 233, 233) }
```


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

```
.border{ border-color:rgb(132, 233, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 233, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 233, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 233, 233);  
box-shadow:4px 4px 4px 4px rgb(132, 233,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3626, 69.0666, 87.6095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 233, 233) }
```

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

```
.background{ background-color: rgb(132,  
233, 233) }
```

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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