

Converting Colors

XYZ(53.1063, 66.8234, 69.7456)

Have a look what the booklet for
XYZ(53.1063, 66.8234, 69.7456)
contains.

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Color

**XYZ(53.1523, 66.8632,
69.7790)**

Conversions

Conversions Part 1

Format	Color
Hex	9FE3D0
RGB	159, 227, 208
RGB Percent	62%, 89%, 82%
CMY	0.3765, 0.1098, 0.1843
CMYK	0.30, 0.00, 0.08, 0.11
HSL	163°, 55%, 76%
HSV	163°, 30%, 89%
XYZ	53.1523, 66.8632, 69.7790
YIQ	204.5020, -34.4290, -20.3250

Conversions

Conversions Part 2

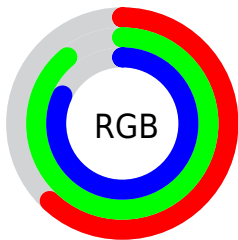
Format	Color
RYB	159, 199, 227
Decimal	10478544
CIELab	85.43, -25.28, 2.46
CIELCh	85, 25.401, 174.453
Yxy	66.8632, 0.2801, 0.3523
Android (android.graphics.Color)	4288668624 (0xFF9FE3D0)
YUV	204.5020, 1.7245, -39.9053
Hunter-Lab	81.7699, -27.0683, 6.6434

Details

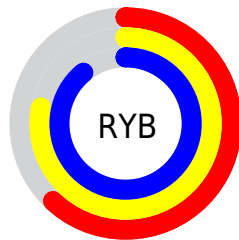
The XYZ color **53.1523, 66.8632, 69.7790** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.1148, 44.3432, 47.9344**, and the grayscale version is **57.7187, 60.7246, 66.1291**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **26.2213, 34.4622, 35.8417** is the 20% darker color. If you saturate the color by 10%, you get **48.2930, 64.4483, 65.5597**, and if you desaturate by 10%, it is **58.8733, 69.7222, 74.2045**.

Distribution



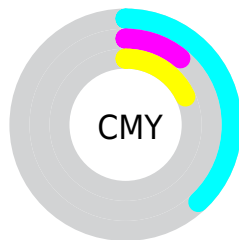
- Red (62%)
- Green (89%)
- Blue (82%)



- Red (62%)
- Yellow (78%)
- Blue (89%)



- Cyan (30%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)





- Cyan (38%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1523, 66.8632, 69.7790 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 53.1523, 66.8632, 69.7790 by changing the saturation by 10% instead.


 53.1523, 66.8632,
69.7790


 53.1523, 66.8632,
69.7790


389.1205,
449.4577, 478.5418

 38.1523, 48.9735,
50.8707


 93.9926, 114.7244,
120.5717

 26.2787, 34.5984,
35.7297


 120.5637,
145.4646, 153.2932

 17.1660, 23.3537,
23.9375


151.7226,
181.2571, 191.4561

 10.4490, 14.8549,
15.0755

187.8345,
222.4863, 235.4791

 5.7622, 8.7176,
8.7252

229.2649,
269.5365, 285.7806

 2.7403, 4.5575,
4.4680

276.3791,

 1.0180, 1.9900,

322.7923, 342.7792

1.8854

329.5425,
382.6378, 406.8934

0.0000, 0.6017,
0.4834

0.0000, 0.0000,
0.0000

53.1523, 66.8632,
69.7790

53.1523, 66.8632,
69.7790

48.2930, 64.4483,
65.5597

58.8733, 69.7222,
74.2045

44.2439, 62.4457,
61.5379


65.4925, 73.0389,
78.8354


40.9571, 60.8326,
57.7110


73.0511, 76.8362,
83.6770


38.3768, 59.5802,
54.0744


81.5861, 81.1331,
88.7326

 36.4393, 58.6558,
50.6231


 84.3968, 82.4752,
93.6906


 35.0692, 58.0205,
47.3516

 85.3545, 82.8583,
98.7337

 34.1361, 57.6071,
44.2518

 86.3454, 83.2547,
103.9521

 34.1324, 57.6054,
44.2386

 86.7603, 83.4206,
106.1368

Harmonies

Analogous

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



54.9587, 66.8632, 55.8739



53.1523, 66.8632, 69.7790



53.9926, 66.8632, 86.7387

Triad

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



53.1523, 66.8632, 69.7790



68.2475, 66.8632, 105.6649



70.2109, 66.8632, 49.9228

Complementary

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



53.1523, 66.8632, 69.7790



52.1148, 44.3432, 47.9344

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.



74.1768, 66.8632, 60.4455



53.1523, 66.8632, 69.7790



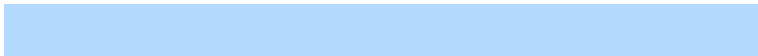
72.9962, 66.8632, 92.8459

Square

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



53.1523, 66.8632, 69.7790



62.4867, 66.8632, 109.1597



75.2256, 66.8632, 75.9124



64.6282, 66.8632, 45.5740

Rectangle

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



53.1523, 66.8632, 69.7790



55.9683, 66.8632, 97.3540



75.2256, 66.8632, 75.9124



71.7904, 66.8632, 52.7705

Sweetspot

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



53.1542, 66.8659, 69.7805



86.0894, 95.4980, 103.1805



52.1505, 66.9408, 42.9741



18.1371, 20.2952, 21.8915



0.0000, 0.0000, 0.0000



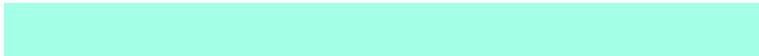
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.1542, 66.8659, 69.7805



65.0966, 85.0042, 87.3596



51.7754, 60.1398, 81.5556



14.6266, 16.2641, 17.5647



19.9573, 33.6150, 26.0730



1.5138, 2.4996, 2.1323

Inverse Universe

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



52.1148, 44.3432, 47.9344



63.5421, 51.1932, 54.5926



53.0233, 49.0051, 39.4661



14.5417, 14.4339, 15.7869



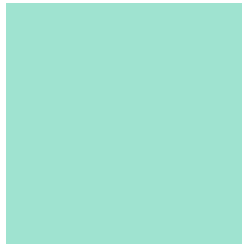
19.0482, 9.7535, 3.8828



1.4462, 0.7362, 0.4903

Previews

White Background



This preview shows how the XYZ color 53.1523, 66.8632, 69.7790 looks on a white background.

Color Contrast Check

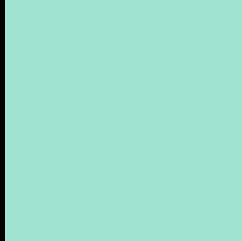
Large Text (above 18pt) WCAG AA × Fail

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 53.1523, 66.8632, 69.7790 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

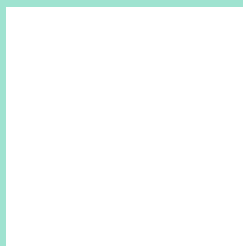
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.1523, 66.8632, 69.7790

Background



This preview shows how black text looks on a background with the XYZ color 53.1523, 66.8632, 69.7790.



This preview shows how white text looks on a background with the XYZ color 53.1523, 66.8632,

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

53.1523, 66.8632, 69.7790

Protanopia

63.4840, 66.4727, 64.1281

Deuteranopia

67.5592, 66.2197, 71.5083



Tritanopia

57.5753, 66.6408, 92.2665

Trichromacy



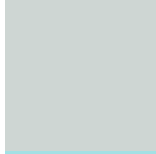
Original Color

53.1523, 66.8632, 69.7790



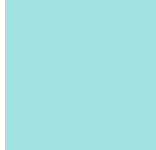
Protanomaly

58.8810, 65.9433, 66.1249



Deuteranomaly

61.2580, 65.9181, 71.1228



Tritanomaly

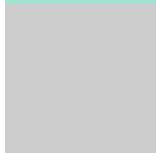
55.7635, 66.6993, 83.3340

Monochromacy



Original Color

53.1523, 66.8632, 69.7790



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

55.6739, 62.7361, 67.5675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1523, 66.8632, 69.7790 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(159, 227, 208)` looks like.

```
.text, #text, p{  
    color:rgb(159, 227, 208)  
}
```

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(159, 227, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 227, 208) }
```

Border

The CSS property to change the border of an element to XYZ 53.1523, 66.8632, 69.7790 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(159, 227, 208) }
```


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

```
.border{ border-color:rgb(159, 227, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 227, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 227, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 227, 208);  
box-shadow:4px 4px 4px 4px rgb(159, 227,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1523, 66.8632, 69.7790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 227, 208) }
```

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

```
.background{ background-color: rgb(159,  
227, 208) }
```

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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