

Converting Colors

XYZ(52.8987, 63.4980, 66.5232)

Have a look what the booklet for
XYZ(52.8987, 63.4980, 66.5232)
contains.

XYZ(53.0252, 63.6806, 66.6236)	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(53.0252, 63.6806,
66.6236)**

Conversions

Conversions Part 1

Format	Color
Hex	ABDBCC
RGB	171, 219, 204
RGB Percent	67%, 86%, 80%
CMY	0.3294, 0.1412, 0.2000
CMYK	0.22, 0.00, 0.07, 0.14
HSL	161°, 40%, 76%
HSV	161°, 22%, 86%
XYZ	53.0252, 63.6806, 66.6236
YIQ	202.9380, -23.7930, -14.8410

Conversions

Conversions Part 2

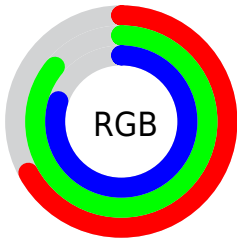
Format	Color
RYB	171, 199, 219
Decimal	11262924
CIELab	83.80, -18.56, 2.27
CIELCh	84, 18.699, 173.013
Yxy	63.6806, 0.2892, 0.3474
Android (android.graphics.Color)	4289453004 (0xFFABDBCC)
YUV	202.9380, 0.5236, -28.0096
Hunter-Lab	79.8001, -21.0414, 6.3600

Details

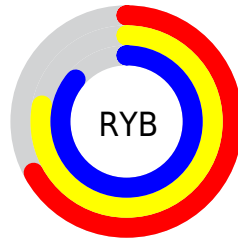
The XYZ color **53.0252, 63.6806, 66.6236** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.6415, 47.7327, 52.8960**, and the grayscale version is **56.7348, 59.6894, 65.0018**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **26.2517, 32.6045, 33.7638** is the 20% darker color. If you saturate the color by 10%, you get **47.8417, 61.1029, 62.1901**, and if you desaturate by 10%, it is **59.0388, 66.6855, 71.2871**.

Distribution



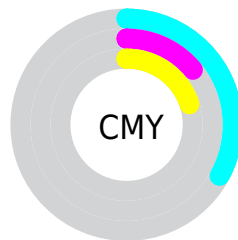
- Red (67%)
- Green (86%)
- Blue (80%)



- Red (67%)
- Yellow (78%)
- Blue (86%)



- Cyan (22%)
- Magenta (0%)
- Yellow (7%)
- Black (14%)



- Cyan (33%)
- Magenta (14%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.0252, 63.6806, 66.6236 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 53.0252, 63.6806, 66.6236 by changing the saturation by 10% instead.

■ 53.0252, 63.6806,
66.6236

■ 53.0252, 63.6806,
66.6236

388.6411,
438.0353, 467.0688

■ 38.0504, 46.3920,
48.3191

■ 93.8068, 110.1508,
116.0164

■ 26.1992, 32.5553,
33.7179

120.3443,
140.1013, 147.9419

■ 17.1062, 21.7860,
22.4014

151.4668,
175.0411, 185.2447

■ 10.4060, 13.6997,
13.9510

187.5396,
215.3548, 228.3435

■ 5.7333, 7.9121,
7.9482

228.9280,
261.4266, 277.6567

■ 2.7227, 4.0388,
3.9745

275.9975,

■ 1.0089, 1.6953,

313.6411, 333.6030

1.6114

329.1134,
372.3825, 396.6008

■ 0.0000, 0.4206,
0.2989

■ 0.0000, 0.0000,
0.0000

■ 53.0252, 63.6806,
66.6236

■ 53.0252, 63.6806,
66.6236

■ 47.8417, 61.1029,
62.1901

■ 59.0388, 66.6855,
71.2871

■ 43.4435, 58.9242,
57.9779

■ 65.9137, 70.1284,
76.1802

■ 39.7897, 57.1252,
53.9842

■ 73.6862, 74.0298,
81.3084

■ 36.8336, 55.6819,
50.2042

■ 81.0504, 77.7164,
86.6127

■ 34.5227, 54.5673,
46.6329

■ 82.0385, 78.1117,
91.8162

■ 32.7971, 53.7504,
43.2649

■ 83.0649, 78.5223,
97.2211

■ 31.5847, 53.1944,
40.0943

■ 84.1300, 78.9483,
102.8297

■ 30.8826, 52.8853,
37.6697

■ 84.6227, 79.1454,
105.4242

Harmonies

Analogous

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



54.4381, 63.6806, 56.6070



53.0252, 63.6806, 66.6236



53.5483, 63.6806, 78.5552

Triad

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



53.0252, 63.6806, 66.6236



63.6649, 63.6806, 92.2941



65.4006, 63.6806, 52.8030

Complementary

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



53.0252, 63.6806, 66.6236



52.6415, 47.7327, 52.8960

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.



68.0860, 63.6806, 60.8703



53.0252, 63.6806, 66.6236



67.0527, 63.6806, 83.8461

Square

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



53.0252, 63.6806, 66.6236



59.5714, 63.6806, 94.2819



68.7039, 63.6806, 72.1238



61.4918, 63.6806, 49.2332

Rectangle

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



53.0252, 63.6806, 66.6236



54.9365, 63.6806, 85.9291



68.7039, 63.6806, 72.1238



66.4833, 63.6806, 55.0319

Sweetspot

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



53.0270, 63.6832, 66.6250



87.8998, 96.4162, 103.9447



52.9826, 64.0702, 48.1034



18.6885, 20.5741, 22.1586



0.0000, 0.0000, 0.0000



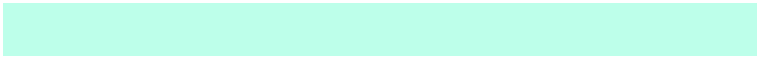
20.3446, 21.4041, 23.3091

Same Dimension

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



53.0270, 63.6832, 66.6250



71.5632, 88.2570, 91.3153



52.6788, 59.9669, 75.8192



13.2626, 14.7567, 15.8458



18.3625, 31.3776, 22.6060



1.2278, 2.0481, 1.6656

Inverse Universe

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



52.6415, 47.7327, 52.8960



70.9340, 62.1506, 68.8533



52.8471, 50.5639, 45.5036



13.2228, 13.1182, 14.4347



17.9926, 9.1981, 4.3412



1.2038, 0.6112, 0.4824

Previews

White Background



This preview shows how the XYZ color 53.0252, 63.6806, 66.6236 looks on a white background.

Color Contrast Check

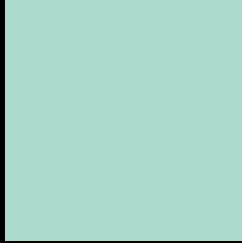
Large Text (above 18pt) WCAG AA × Fail

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 53.0252, 63.6806, 66.6236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

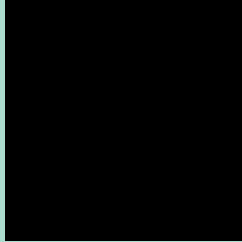
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

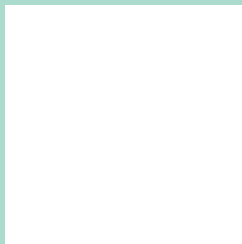
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.0252, 63.6806, 66.6236

Background



This preview shows how black text looks on a background with the XYZ color 53.0252, 63.6806, 66.6236.



This preview shows how white text looks on a background with the XYZ color 53.0252, 63.6806,

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
53.0252, 63.6806, 66.6236
Protanopia
60.5302, 63.1499, 62.4250
Deuteranopia
64.8188, 63.4531, 68.5059



Tritanopia

56.7704, 63.6572, 85.6389

Trichromacy



Original Color

53.0252, 63.6806, 66.6236

Protanomaly

57.2728, 62.9008, 63.7660

Deuteranomaly

59.8308, 63.0266, 68.0434

Tritanomaly

55.1962, 63.3843, 78.4325

Monochromacy



Original Color

53.0252, 63.6806, 66.6236

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

55.0658, 60.9891, 65.3697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0252, 63.6806, 66.6236 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(171, 219, 204)` looks like.

```
.text, #text, p{  
    color:rgb(171, 219, 204)  
}
```

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(171, 219, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 219, 204) }
```

Border

The CSS property to change the border of an element to XYZ 53.0252, 63.6806, 66.6236 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(171, 219, 204) }
```


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

```
.border{ border-color:rgb(171, 219, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 219, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 219, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 219, 204);  
box-shadow:4px 4px 4px 4px rgb(171, 219,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0252, 63.6806, 66.6236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 219, 204) }
```

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

```
.background{ background-color: rgb(171,  
219, 204) }
```

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