

Converting Colors

XYZ(40.2884, 53.2788, 50.3817)

Have a look what the booklet for
XYZ(40.2884, 53.2788, 50.3817)
contains.

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Color

**XYZ(40.2646, 53.3126,
50.2877)**

Conversions

Conversions Part 1

Format	Color
Hex	85D0B2
RGB	133, 208, 178
RGB Percent	52%, 82%, 70%
CMY	0.4784, 0.1843, 0.3020
CMYK	0.36, 0.00, 0.14, 0.18
HSL	156°, 44%, 67%
HSV	156°, 36%, 82%
XYZ	40.2646, 53.3126, 50.2877
YIQ	182.1550, -35.0700, -25.2300

Conversions

Conversions Part 2

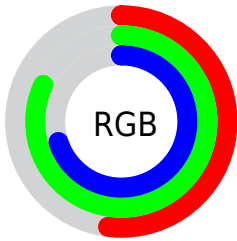
Format	Color
RYB	133, 180, 208
Decimal	8769714
CIELab	78.06, -29.91, 7.58
CIELCh	78, 30.853, 165.787
Yxy	53.3126, 0.2799, 0.3706
Android (android.graphics.Color)	4286959794 (0xFF85D0B2)
YUV	182.1550, -2.0484, -43.1089
Hunter-Lab	73.0155, -29.3427, 10.2762

Details

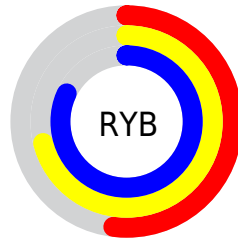
The XYZ color **40.2646, 53.3126, 50.2877** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.0126, 32.8306, 38.8277**, and the grayscale version is **44.5735, 46.8948, 51.0684**.

A 20% lighter version of the original color is **71.3503, 88.1519, 91.0964**, and **18.3174, 25.9254, 23.4407** is the 20% darker color. If you saturate the color by 10%, you get **36.4902, 51.4619, 45.8822**, and if you desaturate by 10%, it is **44.7429, 55.5232, 54.9930**.

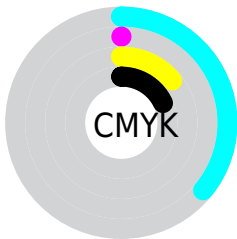
Distribution



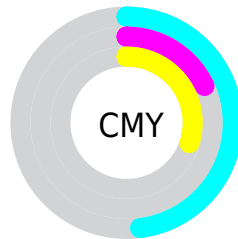
- Red (52%)
- Green (82%)
- Blue (70%)



- Red (52%)
- Yellow (71%)
- Blue (82%)



- Cyan (36%)
- Magenta (0%)
- Yellow (14%)
- Black (18%)



- Cyan (48%)
- Magenta (18%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2646, 53.3126, 50.2877 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 40.2646, 53.3126, 50.2877 by changing the saturation by 10% instead.

■ 40.2646, 53.3126,
50.2877

■ 40.2646, 53.3126,
50.2877

338.3529,
399.4833, 404.5572

■ 27.9300, 38.0524,
35.2693

■ 74.8480, 95.0642,
92.0017

■ 18.4131, 26.0233,
23.5852

■ 97.8276, 122.3244,
119.5343

■ 11.3485, 16.8411,
14.8168

■ 125.0863,
154.3533, 152.0754

■ 6.3707, 10.1213,
8.5457

156.9894,
191.5354, 190.0436

■ 3.1146, 5.4794,
4.3534

193.9022,
234.2550, 233.8573

■ 1.2146, 2.5312,
1.8211

236.1902,

■ 0.1179, 0.8922,

282.8966, 283.9351

0.4418

284.2186,
337.8446, 340.6956

■ 0.0000, 0.0000,
0.0000

■ 40.2646, 53.3126,
50.2877

■ 40.2646, 53.3126,
50.2877

■ 36.4902, 51.4619,
45.8822

■ 44.7429, 55.5232,
54.9930

■ 33.3758, 49.9442,
41.7663

■ 49.9570, 58.1057,
60.0008

■ 30.8793, 48.7394,
37.9345


■ 55.9420, 61.0796,
65.3181


■ 28.9516, 47.8224,
34.3795


■ 62.7295, 64.4610,
70.9508


■ 27.5359, 47.1638,
31.0937


■ 70.3492, 68.2652,
76.9046


 26.5609, 46.7271,
28.0684

 77.7900, 71.9709,
83.1361

 26.2456, 46.5891,
26.9438

 78.9729, 72.4441,
89.3649

 80.2121, 72.9397,
95.8905

 81.5084, 73.4583,
102.7169

Harmonies

Analogous

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



42.8243, 53.3126, 37.8744



40.2646, 53.3126, 50.2877



40.3352, 53.3126, 67.5366

Triad

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



40.2646, 53.3126, 50.2877



53.8850, 53.3126, 96.1229



59.1748, 53.3126, 37.3925

Complementary

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



40.2646, 53.3126, 50.2877



41.0126, 32.8306, 38.8277

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.



62.6393, 53.3126, 49.4932



40.2646, 53.3126, 50.2877



59.4243, 53.3126, 84.3525

Square

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



40.2646, 53.3126, 50.2877



47.8844, 53.3126, 96.4529



62.7340, 53.3126, 66.5690



53.5658, 53.3126, 31.4904

Rectangle

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



40.2646, 53.3126, 50.2877



41.8551, 53.3126, 79.6580



62.7340, 53.3126, 66.5690



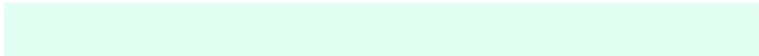
60.6476, 53.3126, 40.7496

Sweetspot

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



40.2661, 53.3148, 50.2889



83.7184, 94.3610, 99.2135



42.1527, 54.7266, 30.5327



17.6434, 20.0601, 20.9894



0.0000, 0.0000, 0.0000



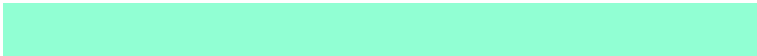
20.3446, 21.4041, 23.3091

Same Dimension

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



40.2661, 53.3148, 50.2889



59.2740, 82.2817, 74.4765



42.1216, 51.6666, 67.4296



11.9498, 13.3237, 14.0920



16.4059, 29.0553, 17.0495



0.9559, 1.6400, 1.1567

Inverse Universe

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



41.0126, 32.8306, 38.8277



60.6273, 45.3013, 53.8136



39.5165, 33.6424, 26.6020



12.0019, 11.8855, 13.2856



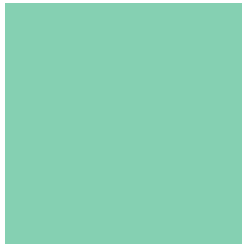
17.2352, 8.7669, 6.1450



1.0024, 0.5057, 0.5477

Previews

White Background



This preview shows how the XYZ color 40.2646, 53.3126, 50.2877 looks on a white background.

Color Contrast Check

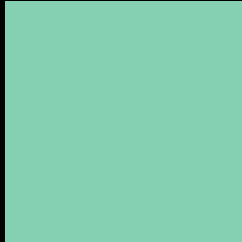
Large Text (above 18pt) WCAG AA × Fail

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 40.2646, 53.3126, 50.2877 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

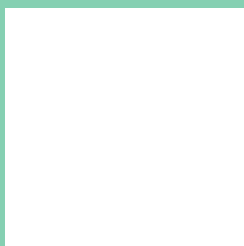
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2646, 53.3126, 50.2877

Background



This preview shows how black text looks on a background with the XYZ color 40.2646, 53.3126, 50.2877.

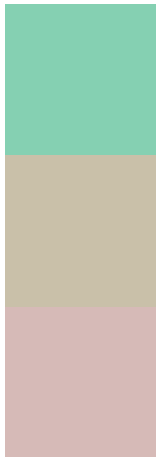


This preview shows how white text looks on a background with the XYZ color 40.2646, 53.3126,

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

40.2646, 53.3126, 50.2877

Protanopia

50.0985, 52.9814, 45.1221

Deuteranopia

53.8377, 52.8329, 52.1600



Tritanopia

45.0620, 53.1063, 74.8934

Trichromacy



Original Color

40.2646, 53.3126, 50.2877

Protanomaly

45.5450, 52.5968, 46.7815

Deuteranomaly

47.6399, 52.2341, 51.2874

Tritanomaly

43.1394, 53.0343, 65.0897

Monochromacy



Original Color

40.2646, 53.3126, 50.2877

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.2811, 48.4903, 50.8472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2646, 53.3126, 50.2877 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(133, 208, 178)` looks like.

```
.text, #text, p{  
    color:rgb(133, 208, 178)  
}
```

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(133, 208, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 208, 178) }
```

Border

The CSS property to change the border of an element to XYZ 40.2646, 53.3126, 50.2877 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(133, 208, 178) }
```


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

```
.border{ border-color:rgb(133, 208, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 208, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 208, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 208, 178);  
box-shadow:4px 4px 4px 4px rgb(133, 208,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2646, 53.3126, 50.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 208, 178) }
```

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

```
.background{ background-color: rgb(133,  
208, 178) }
```

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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