

Converting Colors

XYZ(16.4866, 31.7542, 50.9371)

Have a look what the booklet for
XYZ(16.4866, 31.7542, 50.9371)
contains.

XYZ(25.0782, 36.1453, 51.5539)	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(25.0782, 36.1453,
51.5539)**

Conversions

Conversions Part 1

Format	Color
Hex	00B4B9
RGB	0, 180, 185
RGB Percent	0%, 71%, 73%
CMY	0.9999, 0.2941, 0.2745
CMYK	1.00, 0.03, 0.00, 0.27
HSL	182°, 100%, 36%
HSV	182°, 100%, 73%
XYZ	25.0782, 36.1453, 51.5539
YIQ	126.7500, -108.8850, -36.6050

Conversions

Conversions Part 2

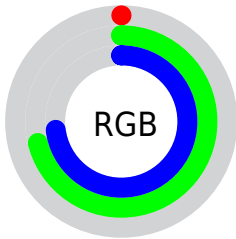
Format	Color
RYB	0, 91, 185
Decimal	46265
CIELab	66.63, -35.47, -13.42
CIELCh	67, 37.926, 200.715
Yxy	36.1453, 0.2224, 0.3205
Android (android.graphics.Color)	4278236345 (0xFF00B4B9)
YUV	126.7500, 28.7172, -111.1598
Hunter-Lab	60.1210, -30.7541, -8.7567

Details

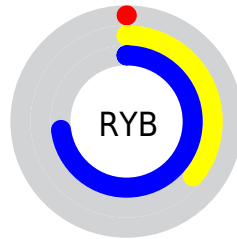
The XYZ color **25.0782, 36.1453, 51.5539** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **20.0627, 10.4238, 0.9556**, and the grayscale version is **20.0226, 21.0654, 22.9402**.

A 20% lighter version of the original color is **51.1282, 69.0511, 93.8525**, and **11.6257, 16.5877, 24.4188** is the 20% darker color. If you saturate the color by 10%, you get **25.0787, 36.1460, 51.5547**, and if you desaturate by 10%, it is **25.4396, 36.4825, 51.6006**.

Distribution



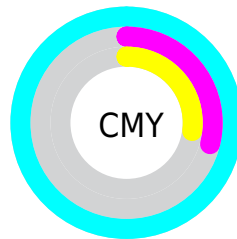
- Red (0%)
- Green (71%)
- Blue (73%)



- Red (0%)
- Yellow (36%)
- Blue (73%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (29%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0782, 36.1453, 51.5539 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 25.0782, 36.1453, 51.5539 by changing the saturation by 10% instead.

■ 25.0782, 36.1453,
51.5539

■ 25.0782, 36.1453,
51.5539

270.5676,
329.5952, 409.6198

■ 16.2644, 24.5464,
36.2698

■ 51.2260, 69.2563,
93.8929

■ 9.8035, 15.7395,
24.3513

■ 69.2908, 91.5372,
121.7849

■ 5.3301, 9.3400,
15.3798

■ 91.1698, 118.1475,
154.7166

■ 2.4790, 4.9636,
8.9368

■ 117.2286,
149.4718, 193.1065

■ 0.8847, 2.2259,
4.6037

■ 147.8324,
185.8942, 237.3733

■ 0.0000, 0.7341,
1.9621

183.3466,

■ 0.0000, 0.0000,

227.7994, 287.9354

0.5318

224.1365,
275.5716, 345.2114

■ 0.0000, 0.0000,
0.0000

■ 25.0782, 36.1453,
51.5539

■ 25.0782, 36.1453,
51.5539

■ 25.0787, 36.1460,
51.5547

■ 25.4396, 36.4825,
51.6006

■ 26.0457, 36.9456,
51.6581

■ 26.9884, 37.5827,
51.7314

■ 28.3124, 38.4170,
51.8226

■ 30.0555, 39.4679,
51.9336

■ 32.2512, 40.7526,
52.0658

■ 34.9293, 42.2866,
52.2208

■ 38.1174, 44.0841,
52.3997

■ 41.8407, 46.1580,
52.6037

Harmonies

Analogous

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



24.6223, 36.1453, 34.4997



25.0782, 36.1453, 51.5539



27.8640, 36.1453, 69.0412

Triad

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



25.0782, 36.1453, 51.5539



43.5690, 36.1453, 62.8004



36.1563, 36.1453, 15.7726

Complementary

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



25.0782, 36.1453, 51.5539



20.0627, 10.4238, 0.9556

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.



41.7830, 36.1453, 19.6966



25.0782, 36.1453, 51.5539



46.3642, 36.1453, 44.6481

Square

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



25.0782, 36.1453, 51.5539



38.3852, 36.1453, 76.6831



45.6767, 36.1453, 29.2522



30.6173, 36.1453, 16.6698

Rectangle

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



25.0782, 36.1453, 51.5539



30.8564, 36.1453, 77.1027



45.6767, 36.1453, 29.2522



38.1085, 36.1453, 16.5189

Sweetspot

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



25.0793, 36.1466, 51.5548



62.2911, 75.5827, 93.5104



17.3667, 34.7055, 5.8731



12.9771, 16.0365, 20.1330



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



25.0793, 36.1466, 51.5548



44.8855, 64.6772, 92.3228



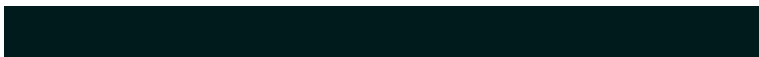
12.3663, 10.7206, 47.3171



9.2453, 10.1679, 11.5547



17.0851, 24.6300, 35.1066



0.6089, 0.8814, 1.2398

Inverse Universe

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



28.2467, 13.6106, 44.3197



50.5732, 24.3687, 79.2955



24.1546, 18.6077, 2.3196



9.3702, 9.1584, 11.2967



19.2375, 9.2687, 30.2010



0.6815, 0.3281, 1.0821

Previews

White Background



This preview shows how the XYZ color 25.0782, 36.1453, 51.5539 looks on a white background.

Color Contrast Check

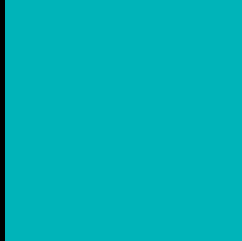
Large Text (above 18pt) WCAG AA × Fail

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 25.0782, 36.1453, 51.5539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

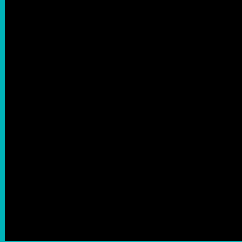
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

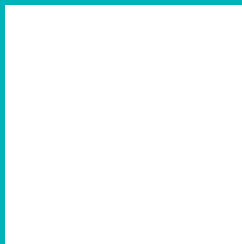
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.0782, 36.1453, 51.5539

Background



This preview shows how black text looks on a background with the XYZ color 25.0782, 36.1453, 51.5539.



This preview shows how white text looks on a background with the XYZ color 25.0782, 36.1453,

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

25.0782, 36.1453, 51.5539

Protanopia

34.7151, 35.6972, 44.0903

Deuteranopia

36.4555, 35.6182, 53.6688



Tritanopia

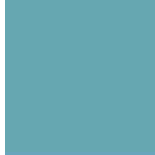
26.1977, 36.3235, 56.0824

Trichromacy



Original Color

25.0782, 36.1453, 51.5539



Protanomaly

27.2340, 33.6365, 46.6521



Deuteranomaly

28.2412, 33.4842, 52.5516



Tritanomaly

25.6455, 36.0771, 54.3271

Monochromacy



Original Color

25.0782, 36.1453, 51.5539



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

19.0175, 24.4452, 31.7330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0782, 36.1453, 51.5539 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(0, 180, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 185)  
}
```

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(0, 180, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 185) }
```

Border

The CSS property to change the border of an element to XYZ 25.0782, 36.1453, 51.5539 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(0, 180, 185) }
```


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

```
.border{ border-color:rgb(0, 180, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0782, 36.1453, 51.5539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 185) }
```

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

```
.background{ background-color: rgb(0, 180,  
185) }
```

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