

Converting Colors

XYZ(24.1622, 35.7637, 52.0905)

Have a look what the booklet for
XYZ(24.1622, 35.7637, 52.0905)
contains.

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Color

**XYZ(25.1842, 36.1877,
52.1120)**

Conversions

Conversions Part 1

Format	Color
Hex	00B4BA
RGB	0, 180, 186
RGB Percent	0%, 71%, 73%
CMY	0.9999, 0.2941, 0.2706
CMYK	1.00, 0.03, 0.00, 0.27
HSL	182°, 100%, 36%
HSV	182°, 100%, 73%
XYZ	25.1842, 36.1877, 52.1120
YIQ	126.8640, -109.2060, -36.2940

Conversions

Conversions Part 2

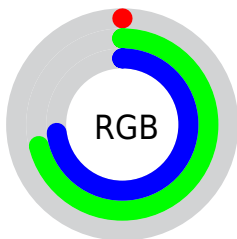
Format	Color
RYB	0, 91, 186
Decimal	46266
CIELab	66.66, -35.16, -13.92
CIELCh	67, 37.818, 201.598
Yxy	36.1877, 0.2219, 0.3189
Android (android.graphics.Color)	4278236346 (0xFF00B4BA)
YUV	126.8640, 29.1540, -111.2597
Hunter-Lab	60.1562, -30.5449, -9.2523

Details

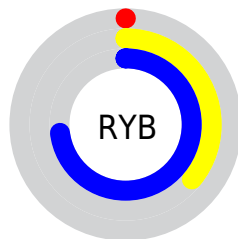
The XYZ color **25.1842, 36.1877, 52.1120** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **20.3157, 10.5704, 0.9706**, and the grayscale version is **20.0604, 21.1051, 22.9835**.

A 20% lighter version of the original color is **51.2780, 69.1110, 94.6415**, and **11.6945, 16.6152, 24.7810** is the 20% darker color. If you saturate the color by 10%, you get **25.1846, 36.1883, 52.1128**, and if you desaturate by 10%, it is **25.5678, 36.5664, 52.1656**.

Distribution



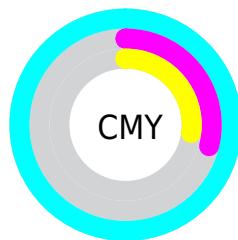
- Red (0%)
- Green (71%)
- Blue (73%)



- 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 25.1842, 36.1877, 52.1120 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 25.1842, 36.1877, 52.1120 by changing the saturation by 10% instead.


 25.1842, 36.1877,
52.1120


 25.1842, 36.1877,
52.1120

271.0848,
329.7802, 411.8381


 16.3438, 24.5792,
36.7115

 51.3966, 69.3217,
94.7247


 9.8602, 15.7638,
24.6902


 69.4994, 91.6159,
122.7739


 5.3679, 9.3572,
15.6295


 91.4203, 118.2409,
155.8765

 2.5017, 4.9749,
9.1108

 117.5247,
149.5810, 194.4509

 0.8961, 2.2325,
4.7157

 148.1780,
186.0206, 238.9157

 0.0000, 0.7376,
2.0257

183.7456,

 0.0000, 0.0000,

227.9440, 289.6895

0.5710

224.5927,
275.7358, 347.1908

■ 0.0000, 0.0000,
0.0000

■ 25.1842, 36.1877,
52.1120

■ 25.1842, 36.1877,
52.1120

■ 25.1846, 36.1883,
52.1128

■ 25.5678, 36.5664,
52.1656

■ 26.1997, 37.0731,
52.2301

■ 27.1725, 37.7564,
52.3107

■ 28.5315, 38.6396,
52.4095

■ 30.3152, 39.7424,
52.5284

■ 32.5573, 41.0824,
52.6688

■ 35.2882, 42.6751,
52.8323

■ 38.5358, 44.5350,
53.0202

■ 42.3256, 46.6752,
53.2335

Harmonies

Analogous

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



24.6587, 36.1877, 34.9946



25.1842, 36.1877, 52.1120



28.0309, 36.1877, 69.4481

Triad

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



25.1842, 36.1877, 52.1120



43.7117, 36.1877, 62.2735



36.0205, 36.1877, 15.8057

Complementary

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



25.1842, 36.1877, 52.1120



20.3157, 10.5704, 0.9706

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.



41.6568, 36.1877, 19.5790



25.1842, 36.1877, 52.1120



46.4071, 36.1877, 44.1653

Square

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



25.1842, 36.1877, 52.1120



38.5862, 36.1877, 76.3523



45.6163, 36.1877, 28.9478



30.5195, 36.1877, 16.8423

Rectangle

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



25.1842, 36.1877, 52.1120



31.0525, 36.1877, 77.2860



45.6163, 36.1877, 28.9478



37.9698, 36.1877, 16.5050

Sweetspot

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



25.1853, 36.1890, 52.1129



63.6828, 77.1893, 95.7440



17.5768, 35.1255, 5.9436



13.5420, 16.7186, 21.0558



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



25.1853, 36.1890, 52.1129



45.6116, 65.5198, 94.4440



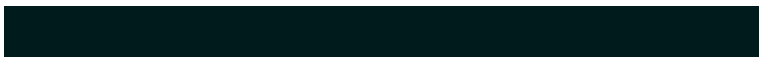
12.5130, 10.8443, 47.8888



9.2412, 10.1596, 11.5534



16.9542, 24.3681, 35.0630



0.6055, 0.8746, 1.2387

Inverse Universe

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



28.4889, 13.7355, 44.3311



51.6178, 24.8871, 80.2536



24.4439, 18.8268, 2.3467



9.3681, 9.1576, 11.2857



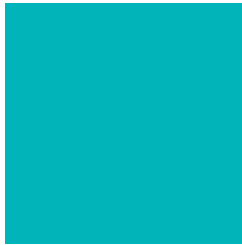
19.1714, 9.2423, 29.8529



0.6798, 0.3274, 1.0731

Previews

White Background



This preview shows how the XYZ color 25.1842, 36.1877, 52.1120 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 25.1842, 36.1877, 52.1120 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

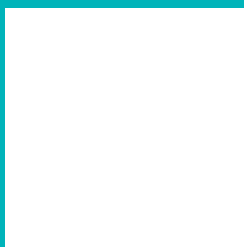
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.1842, 36.1877, 52.1120

Background



This preview shows how black text looks on a background with the XYZ color 25.1842, 36.1877, 52.1120.

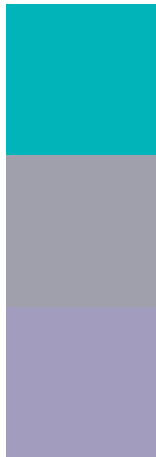


This preview shows how white text looks on a background with the XYZ color 25.1842, 36.1877,

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

25.1842, 36.1877, 52.1120

Protanopia

34.6108, 35.6323, 44.5887

Deuteranopia

36.3612, 35.5569, 54.2369



Tritanopia

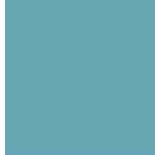
26.1717, 36.3101, 56.0812

Trichromacy



Original Color

25.1842, 36.1877, 52.1120



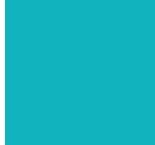
Protanomaly

27.3341, 33.6766, 47.1790



Deuteranomaly

28.2340, 33.4680, 53.1160



Tritanomaly

25.6455, 36.0771, 54.3271

Monochromacy



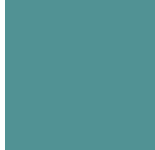
Original Color

25.1842, 36.1877, 52.1120



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 25.1842, 36.1877, 52.1120 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 186)  
}
```

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, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 186) }
```

Border

The CSS property to change the border of an element to XYZ 25.1842, 36.1877, 52.1120 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, 186) }
```


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

```
.border{ border-color:rgb(0, 180, 186) }
```

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, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1842, 36.1877, 52.1120 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, 186) }
```

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

```
.background{ background-color: rgb(0, 180,  
186) }
```

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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