

Converting Colors

XYZ(25.1163, 36.4099, 49.2273)

Have a look what the booklet for
XYZ(25.1163, 36.4099, 49.2273)
contains.

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Color

**XYZ(25.2177, 36.5661,
49.4449)**

Conversions

Conversions Part 1

Format	Color
Hex	17B5B5
RGB	23, 181, 181
RGB Percent	9%, 71%, 71%
CMY	0.9097, 0.2902, 0.2902
CMYK	0.87, 0.00, 0.00, 0.29
HSL	180°, 77%, 40%
HSV	180°, 87%, 71%
XYZ	25.2177, 36.5661, 49.4449
YIQ	133.7580, -94.1680, -33.4960

Conversions

Conversions Part 2

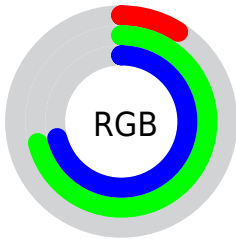
Format	Color
RYB	23, 102, 181
Decimal	1553845
CIELab	66.95, -36.26, -10.71
CIElCh	67, 37.806, 196.456
Yxy	36.5661, 0.2267, 0.3287
Android (android.graphics.Color)	4279743925 (0xFF17B5B5)
YUV	133.7580, 23.2903, -97.1348
Hunter-Lab	60.4699, -31.3827, -6.1512

Details

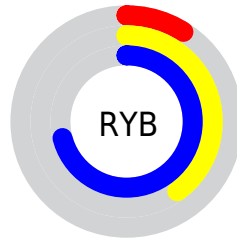
The XYZ color **25.2177, 36.5661, 49.4449** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **19.5183, 10.4996, 1.8095**, and the grayscale version is **22.5157, 23.6882, 25.7965**.

A 20% lighter version of the original color is **51.3959, 69.6861, 90.8627**, and **11.4857, 16.7373, 23.0473** is the 20% darker color. If you saturate the color by 10%, you get **24.9266, 36.4168, 49.4320**, and if you desaturate by 10%, it is **25.7842, 36.8590, 49.4723**.

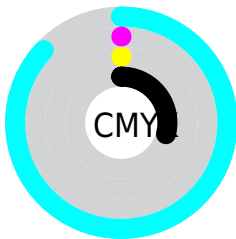
Distribution



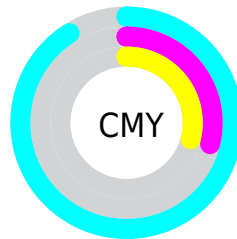
- Red (9%)
- Green (71%)
- Blue (71%)



- Red (9%)
- Yellow (40%)
- Blue (71%)



- Cyan (87%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)



- Cyan (91%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2177, 36.5661, 49.4449 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 25.2177, 36.5661, 49.4449 by changing the saturation by 10% instead.

■ 25.2177, 36.5661,
49.4449

■ 25.2177, 36.5661,
49.4449

271.2481,
331.4281, 401.1639

■ 16.3689, 24.8717,
34.6044

■ 51.4505, 69.9049,
90.7397

■ 9.8781, 15.9815,
23.0772

■ 69.5653, 92.3182,
118.0311

■ 5.3798, 9.5111,
14.4447

■ 91.4994, 119.0732,
150.3099

■ 2.5088, 5.0760,
8.2883

■ 117.6183,
150.5543, 187.9947

■ 0.8997, 2.2919,
4.1896

■ 148.2872,
187.1460, 231.5039

■ 0.0000, 0.7694,
1.7299

183.8716,

■ 0.0000, 0.0000,

229.2326, 281.2561

0.3811

224.7367,
277.1985, 337.6700

■ 0.0000, 0.0000,
0.0000

■ 25.2177, 36.5661,
49.4449

■ 25.2177, 36.5661,
49.4449

■ 24.9266, 36.4168,
49.4320

■ 25.7842, 36.8590,
49.4723

■ 24.8650, 36.3851,
49.4291

■ 26.6817, 37.3216,
49.5144

■ 27.9515, 37.9762,
49.5739

■ 29.6281, 38.8405,
49.6525

■ 31.7423, 39.9304,
49.7515

■ 34.3216, 41.2601,
49.8723

■ 37.3914, 42.8427,
50.0161

■ 40.9755, 44.6903,
50.1839

■ 45.0957, 46.8143,
50.3768

Harmonies

Analogous

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



25.1008, 36.5661, 32.8680



25.2177, 36.5661, 49.4449



27.6996, 36.5661, 67.3659

Triad

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



25.2177, 36.5661, 49.4449



43.3744, 36.5661, 65.7681



37.4014, 36.5661, 16.3311

Complementary

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



25.2177, 36.5661, 49.4449



19.5183, 10.4996, 1.8095

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.



42.9169, 36.5661, 21.0331



25.2177, 36.5661, 49.4449



46.6128, 36.5661, 47.6761

Square

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



25.2177, 36.5661, 49.4449



37.9725, 36.5661, 78.4208



46.4367, 36.5661, 31.5232



31.7246, 36.5661, 16.5613

Rectangle

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



25.2177, 36.5661, 49.4449



30.5344, 36.5661, 76.3414



46.4367, 36.5661, 31.5232



39.3476, 36.5661, 17.3166

Sweetspot

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



25.2188, 36.5675, 49.4458



61.8990, 74.1161, 89.3376



17.0964, 33.3258, 6.3430



13.0128, 15.8306, 19.2919



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



25.2188, 36.5675, 49.4458



44.5313, 65.1628, 88.5236



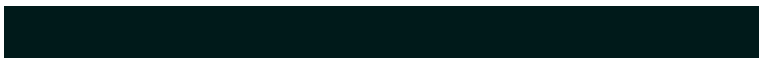
13.7099, 13.5494, 45.6102



8.7427, 9.6316, 10.9046



17.1409, 25.0823, 34.0743



0.5393, 0.7892, 1.0721

Inverse Universe

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



19.5183, 10.4996, 1.8095



34.1290, 17.5942, 1.5973



23.7092, 18.8814, 3.2064



8.4964, 8.5053, 8.8464



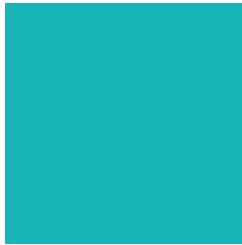
13.1369, 6.7723, 0.6148



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 25.2177, 36.5661, 49.4449 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 25.2177, 36.5661, 49.4449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

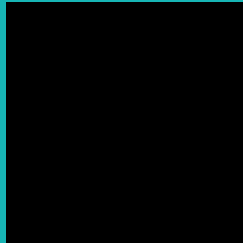
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

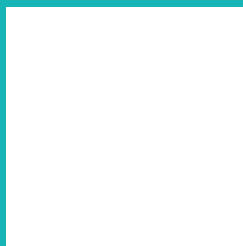
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.2177, 36.5661, 49.4449

Background



This preview shows how black text looks on a background with the XYZ color 25.2177, 36.5661, 49.4449.

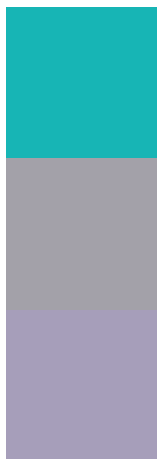


This preview shows how white text looks on a background with the XYZ color 25.2177, 36.5661,

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

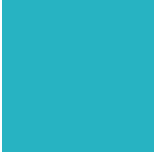
25.2177, 36.5661, 49.4449

Protanopia

35.0106, 36.1408, 42.6667

Deuteranopia

36.8157, 36.1059, 51.4831



Tritanopia

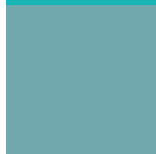
26.6944, 36.5666, 56.6900

Trichromacy



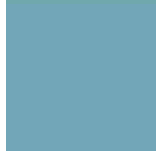
Original Color

25.2177, 36.5661, 49.4449



Protanomaly

28.2275, 34.4671, 44.7002



Deuteranomaly

29.2274, 34.3105, 50.4295



Tritanomaly

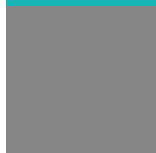
26.1338, 36.6400, 53.8389

Monochromacy



Original Color

25.2177, 36.5661, 49.4449



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

21.2686, 26.7473, 33.3199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2177, 36.5661, 49.4449 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(23, 181, 181)` looks like.

```
.text, #text, p{  
    color:rgb(23, 181, 181)  
}
```

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(23, 181, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 181, 181) }
```

Border

The CSS property to change the border of an element to XYZ 25.2177, 36.5661, 49.4449 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(23, 181, 181) }
```


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

```
.border{ border-color:rgb(23, 181, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 181, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 181, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 181, 181);  
box-shadow:4px 4px 4px 4px rgb(23, 181,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2177, 36.5661, 49.4449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 181, 181) }
```

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

```
.background{ background-color: rgb(23, 181,  
181) }
```

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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