

Converting Colors

XYZ(25.0080, 37.6576, 45.1740)

Have a look what the booklet for
XYZ(25.0080, 37.6576, 45.1740)
contains.

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Color

**XYZ(25.0639, 37.8149,
45.0077)**

Conversions

Conversions Part 1

Format	Color
Hex	13B9AC
RGB	19, 185, 172
RGB Percent	7%, 73%, 67%
CMY	0.9254, 0.2745, 0.3255
CMYK	0.90, 0.00, 0.07, 0.27
HSL	175°, 81%, 40%
HSV	175°, 90%, 73%
XYZ	25.0639, 37.8149, 45.0077
YIQ	133.8840, -94.7630, -39.2350

Conversions

Conversions Part 2

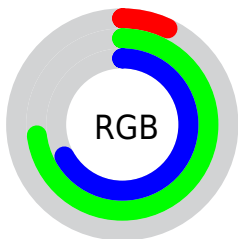
Format	Color
RYB	19, 105, 185
Decimal	1292716
CIELab	67.88, -40.94, -4.36
CIELCh	68, 41.168, 186.074
Yxy	37.8149, 0.2323, 0.3505
Android (android.graphics.Color)	4279482796 (0xFF13B9AC)
YUV	133.8840, 18.7912, -100.7533
Hunter-Lab	61.4938, -34.8604, -0.3490

Details

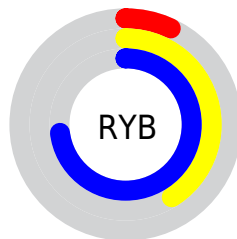
The XYZ color **25.0639, 37.8149, 45.0077** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **20.5025, 10.8855, 2.3886**, and the grayscale version is **22.5782, 23.7540, 25.8681**.

A 20% lighter version of the original color is **51.2108, 71.9339, 83.8586**, and **11.5065, 17.5887, 20.5578** is the 20% darker color. If you saturate the color by 10%, you get **24.6641, 37.6256, 44.2672**, and if you desaturate by 10%, it is **25.7178, 38.1367, 45.7697**.

Distribution



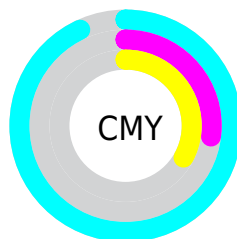
- Red (7%)
- Green (73%)
- Blue (67%)



- Red (7%)
- Yellow (41%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (7%)
- Black (27%)





- Cyan (93%)
- Magenta (27%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0639, 37.8149, 45.0077 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 25.0639, 37.8149, 45.0077 by changing the saturation by 10% instead.


 25.0639, 37.8149,
45.0077


 25.0639, 37.8149,
45.0077


270.4978,
336.8253, 382.9658


 16.2537, 25.8391,
31.1205


 51.2030, 71.8243,
84.0505


 9.7958, 16.7033,
20.4314


 69.2626, 94.6267,
110.0433


 5.3250, 10.0232,
12.5218


 91.1360, 121.8068,
140.9082

 2.4759, 5.4143,
6.9733

 117.1886,
153.7488, 177.0640

 0.8831, 2.4923,
3.3672

 147.7857,
190.8373, 218.9291

 0.0000, 0.8728,
1.2850

183.2927,

 0.0000, 0.0000,

233.4566, 266.9221

0.0495

224.0749,
281.9911, 321.4614

■ 0.0000, 0.0000,
0.0000

■ 25.0639, 37.8149,
45.0077

■ 25.0639, 37.8149,
45.0077

■ 24.6641, 37.6256,
44.2672

■ 25.7178, 38.1367,
45.7697

■ 24.6537, 37.6207,
44.2465

■ 26.7096, 38.6316,
46.5546

■ 28.0849, 39.3241,
47.3655

■ 29.8815, 40.2336,
48.2041

■ 32.1326, 41.3772,
49.0719

■ 34.8682, 42.7704,
49.9705

■ 38.1155, 44.4272,
50.9011

■ 41.8999, 46.3607,
51.8649

■ 46.2450, 48.5831,
52.8631

Harmonies

Analogous

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



25.8473, 37.8149, 28.4973



25.0639, 37.8149, 45.0077



26.9042, 37.8149, 65.5416

Triad

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



25.0639, 37.8149, 45.0077



43.6665, 37.8149, 76.6322



41.1544, 37.8149, 16.6719

Complementary

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



25.0639, 37.8149, 45.0077



20.5025, 10.8855, 2.3886

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.



46.8061, 37.8149, 23.7467



25.0639, 37.8149, 45.0077



48.3724, 37.8149, 57.1429

Square

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



25.0639, 37.8149, 45.0077



37.2567, 37.8149, 86.9670



49.5844, 37.8149, 37.5644



34.6584, 37.8149, 15.1736

Rectangle

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



25.0639, 37.8149, 45.0077



29.5161, 37.8149, 77.7820



49.5844, 37.8149, 37.5644



43.2386, 37.8149, 18.3476

Sweetspot

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



25.0650, 37.8163, 45.0086



63.6888, 77.2323, 89.8683



18.0897, 35.0671, 6.4322



13.3364, 16.4490, 19.2542



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.



25.0650, 37.8163, 45.0086



44.1129, 67.3601, 79.0305



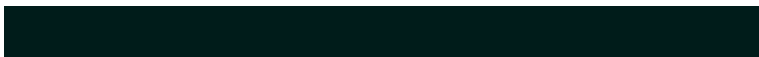
15.2536, 16.0963, 48.2034



9.2355, 10.1982, 11.3975



16.7988, 25.6205, 30.1920



0.6013, 0.9068, 1.1120

Inverse Universe

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



20.5025, 10.8855, 2.3886



35.9490, 18.5191, 2.2859



23.6305, 17.3707, 2.7244



9.0324, 9.0233, 9.5180



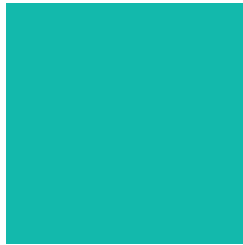
13.6909, 7.0501, 0.9930



0.4923, 0.2524, 0.0859

Previews

White Background



This preview shows how the XYZ color 25.0639, 37.8149, 45.0077 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 25.0639, 37.8149, 45.0077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

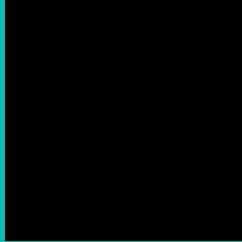
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

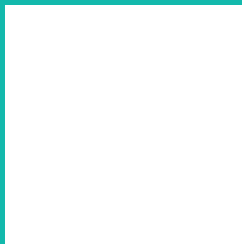
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.0639, 37.8149, 45.0077

Background



This preview shows how black text looks on a background with the XYZ color 25.0639, 37.8149, 45.0077.

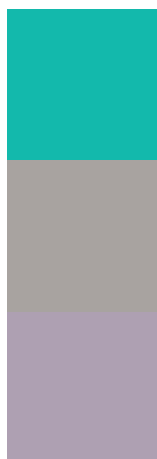


This preview shows how white text looks on a background with the XYZ color 25.0639, 37.8149,

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

25.0639, 37.8149, 45.0077

Protanopia

35.5908, 37.0573, 38.5346

Deuteranopia

38.0622, 37.3546, 47.3235



Tritanopia

27.6600, 37.6376, 58.0315

Trichromacy



Original Color

25.0639, 37.8149, 45.0077



Protanomaly

28.2032, 35.3836, 40.4652



Deuteranomaly

29.4957, 35.3621, 46.3453



Tritanomaly

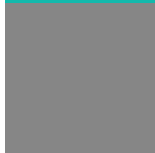
26.4605, 37.4371, 52.8452

Monochromacy



Original Color

25.0639, 37.8149, 45.0077



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

21.1502, 27.1959, 32.1516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0639, 37.8149, 45.0077 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(19, 185, 172)` looks like.

```
.text, #text, p{  
  color:rgb(19, 185, 172)  
}
```

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(19, 185, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 185, 172) }
```

Border

The CSS property to change the border of an element to XYZ 25.0639, 37.8149, 45.0077 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(19, 185, 172) }
```


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

```
.border{ border-color:rgb(19, 185, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 185, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 185, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 185, 172);  
box-shadow:4px 4px 4px 4px rgb(19, 185,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0639, 37.8149, 45.0077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 185, 172) }
```

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

```
.background{ background-color: rgb(19, 185,  
172) }
```

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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