

Converting Colors

XYZ(17.2591, 32.8483, 41.0345)

Have a look what the booklet for
XYZ(17.2591, 32.8483, 41.0345)
contains.

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Color

**XYZ(23.5195, 36.1725,
41.3397)**

Conversions

Conversions Part 1

Format	Color
Hex	00B6A5
RGB	0, 182, 165
RGB Percent	0%, 71%, 65%
CMY	0.9999, 0.2863, 0.3529
CMYK	1.00, 0.00, 0.09, 0.29
HSL	174°, 100%, 36%
HSV	174°, 100%, 71%
XYZ	23.5195, 36.1725, 41.3397
YIQ	125.6440, -103.0150, -43.8710

Conversions

Conversions Part 2

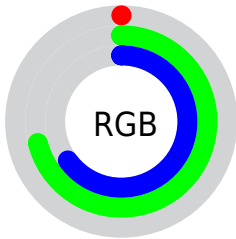
Format	Color
RYB	0, 95, 182
Decimal	46757
CIELab	66.65, -42.35, -2.32
CIELCh	67, 42.414, 183.134
Yxy	36.1725, 0.2328, 0.3580
Android (android.graphics.Color)	4278236837 (0xFF00B6A5)
YUV	125.6440, 19.4025, -110.1898
Hunter-Lab	60.1436, -35.4478, 1.3475

Details

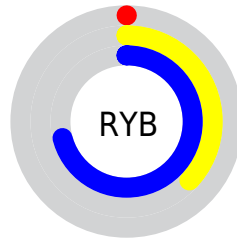
The XYZ color **23.5195, 36.1725, 41.3397** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **19.3938, 9.9867, 1.4371**, and the grayscale version is **19.6753, 20.7000, 22.5423**.

A 20% lighter version of the original color is **48.8218, 69.4970, 78.5512**, and **10.6998, 16.6306, 18.2689** is the 20% darker color. If you saturate the color by 10%, you get **23.5199, 36.1736, 41.3391**, and if you desaturate by 10%, it is **23.9298, 36.3669, 42.1731**.

Distribution



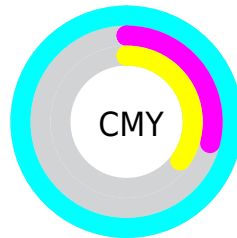
- Red (0%)
- Green (71%)
- Blue (65%)



- Red (0%)
- Yellow (37%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (29%)



- Cyan (100%)
- Magenta (29%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5195, 36.1725, 41.3397 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 23.5195, 36.1725, 41.3397 by changing the saturation by 10% instead.

■ 23.5195, 36.1725,
41.3397

■ 23.5195, 36.1725,
41.3397

262.8679,
329.7139, 367.4570

■ 15.1004, 24.5675,
28.2629

■ 48.7054, 69.2982,
78.4586

■ 8.9766, 15.7551,
18.2832

■ 66.2028, 91.5877,
103.3377

■ 4.7829, 9.3510,
10.9819

■ 87.4570, 118.2074,
132.9881

■ 2.1539, 4.9708,
5.9407

■ 112.8335,
149.5418, 167.8282

■ 0.7183, 2.2302,
2.7408

■ 142.6974,
185.9753, 208.2766

■ 0.0000, 0.7364,
0.9639

■ 177.4142,

■ 0.0000, 0.0000,

227.8922, 254.7519

0.0000

217.3493,
275.6769, 307.6725

■ 23.5195, 36.1725,
41.3397

■ 23.5195, 36.1725,
41.3397

■ 23.5199, 36.1736,
41.3391

■ 23.9298, 36.3669,
42.1731

■ 24.5766, 36.6821,
43.0276

■ 25.5494, 37.1650,
43.9081

■ 26.8910, 37.8379,
44.8168

■ 28.6378, 38.7195,
45.7553

■ 30.8218, 39.8262,
46.7253

■ 33.4718, 41.1729,
47.7280

■ 36.6143, 42.7732,
48.7648

■ 40.2734, 44.6396,
49.8369

Harmonies

Analogous

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



24.5489, 36.1725, 25.5349



23.5195, 36.1725, 41.3397



25.0891, 36.1725, 61.9051

Triad

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



23.5195, 36.1725, 41.3397



41.5391, 36.1725, 76.7847



40.2340, 36.1725, 15.6062

Complementary

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



23.5195, 36.1725, 41.3397



19.3938, 9.9867, 1.4371

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.



45.7229, 36.1725, 23.1208



23.5195, 36.1725, 41.3397



46.5396, 36.1725, 57.5117

Square

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



23.5195, 36.1725, 41.3397



35.0566, 36.1725, 85.9705



48.1574, 36.1725, 37.4943



33.7139, 36.1725, 13.6726

Rectangle

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



23.5195, 36.1725, 41.3397



27.5275, 36.1725, 74.7526



48.1574, 36.1725, 37.4943



42.2867, 36.1725, 17.4180

Sweetspot

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



23.5206, 36.1739, 41.3406



60.4083, 74.5043, 86.4307



16.9824, 33.5879, 5.5889



12.8770, 16.2191, 18.9197



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.



23.5206, 36.1739, 41.3406



42.5925, 65.5612, 74.6953



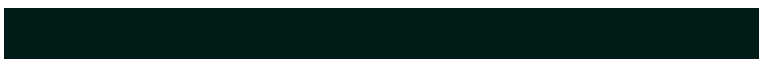
13.9357, 14.3607, 46.2948



9.2295, 10.1958, 11.3660



16.6221, 25.5498, 29.2615



0.5966, 0.9049, 1.0874

Inverse Universe

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



19.3938, 9.9867, 1.4371



35.1215, 18.0889, 2.4074



21.6629, 14.6869, 1.6940



9.0378, 9.0255, 9.5464



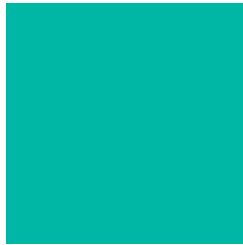
13.7063, 7.0563, 1.0743



0.4946, 0.2533, 0.0981

Previews

White Background



This preview shows how the XYZ color 23.5195, 36.1725, 41.3397 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 23.5195, 36.1725, 41.3397 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

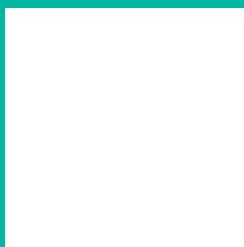
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5195, 36.1725, 41.3397

Background



This preview shows how black text looks on a background with the XYZ color 23.5195, 36.1725, 41.3397.

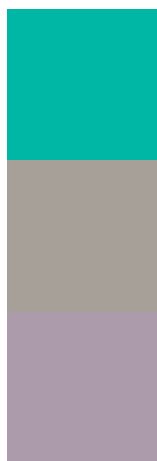


This preview shows how white text looks on a background with the XYZ color 23.5195, 36.1725,

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

23.5195, 36.1725, 41.3397

Protanopia

34.0465, 35.5485, 35.2041

Deuteranopia

36.2524, 35.4879, 43.4672



Tritanopia

26.5615, 36.2274, 55.4618

Trichromacy



Original Color

23.5195, 36.1725, 41.3397

Protanomaly

26.0323, 33.5038, 36.9931

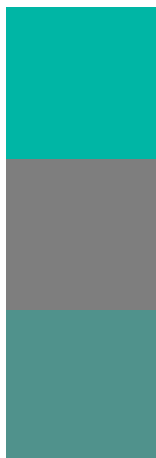
Deuteranomaly

26.9232, 33.0260, 42.4918

Tritanomaly

25.0703, 35.8788, 49.8599

Monochromacy



Original Color

23.5195, 36.1725, 41.3397

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.3208, 24.1567, 28.5080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5195, 36.1725, 41.3397 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, 182, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 165)  
}
```

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, 182, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 165) }
```

Border

The CSS property to change the border of an element to XYZ 23.5195, 36.1725, 41.3397 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, 182, 165) }
```


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

```
.border{ border-color:rgb(0, 182, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5195, 36.1725, 41.3397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 165) }
```

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

```
.background{ background-color: rgb(0, 182,  
165) }
```

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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