

Converting Colors

XYZ(32.6405, 46.1439, 68.1591)

Have a look what the booklet for
XYZ(32.6405, 46.1439, 68.1591)
contains.

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Color

**XYZ(32.6405, 46.1439,
68.1591)**

Conversions

Conversions Part 1

Format	Color
Hex	17C8D2
RGB	23, 200, 210
RGB Percent	9%, 78%, 82%
CMY	0.9097, 0.2157, 0.1765
CMYK	0.89, 0.05, 0.00, 0.18
HSL	183°, 80%, 46%
HSV	183°, 89%, 82%
XYZ	32.6405, 46.1439, 68.1591
YIQ	148.2170, -108.7020, -34.4140

Conversions

Conversions Part 2

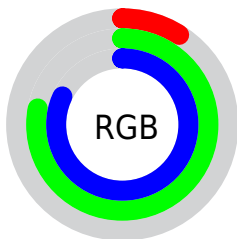
Format	Color
R_{YB}	23, 114, 210
Decimal	1558738
CIE _{Lab}	73.64, -36.23, -16.54
CIE _{LCh}	74, 39.829, 204.533
Yxy	46.1439, 0.2221, 0.3140
Android (android.graphics.Color)	4279748818 (0xFF17C8D2)
YUV	148.2170, 30.4590, -109.8153
Hunter-Lab	67.9293, -33.1058, -11.9401

Details

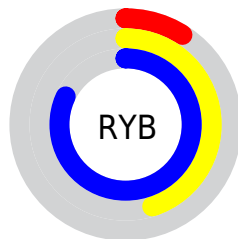
The XYZ color **32.6405, 46.1439, 68.1591** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.2782, 14.8529, 2.2412**, and the grayscale version is **28.1520, 29.6181, 32.2541**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **16.1261, 22.6511, 34.9747** is the 20% darker color. If you saturate the color by 10%, you get **32.0542, 45.4579, 68.0585**, and if you desaturate by 10%, it is **33.5889, 47.0213, 68.2793**.

Distribution



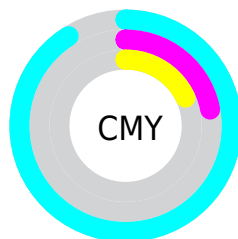
- Red (9%)
- Green (78%)
- Blue (82%)



- Red (9%)
- Yellow (45%)
- Blue (82%)



- Cyan (89%)
- Magenta (5%)
- Yellow (0%)
- Black (18%)





- Cyan (91%)
- Magenta (22%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6405, 46.1439, 68.1591 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 32.6405, 46.1439, 68.1591 by changing the saturation by 10% instead.


 32.6405, 46.1439,
68.1591


 32.6405, 46.1439,
68.1591


305.7204,
371.3869, 472.6729

 22.0091, 32.3594,
49.5597


 63.1723, 84.4343,
118.2361


 13.9802, 21.6362,
34.6949


 83.8034, 109.7090,
150.5507


 8.1885, 13.5898,
23.1463


 108.4985,
139.5826, 188.2742

 4.2686, 7.8359,
14.4953

 137.6228,
174.4394, 231.8250

 1.8552, 3.9901,
8.3233

 171.5418,
214.6638, 281.6218

 0.5506, 1.6680,
4.2118

210.6209,

 0.0000, 0.4028,

260.6403, 338.0830

1.7422

255.2253,
312.7532, 401.6272

■ 0.0000, 0.0000,
0.3894

■ 0.0000, 0.0000,
0.0000

■ 32.6405, 46.1439,
68.1591

■ 32.6405, 46.1439,
68.1591

■ 32.0542, 45.4579,
68.0585

■ 33.5889, 47.0213,
68.2793

■ 32.0039, 45.3950,
68.0490

■ 34.9937, 48.1359,
68.4204

■ 36.9171, 49.5206,
68.5863

■ 39.4103, 51.2020,
68.7795

■ 42.5186, 53.2033,
69.0019

■ 46.2825, 55.5455,
69.2556

■ 50.7391, 58.2476,
69.5423

■ 55.9230, 61.3275,
69.8636

■ 61.8660, 64.8017,
70.2209

Harmonies

Analogous

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



31.6949, 46.1439, 46.6322



32.6405, 46.1439, 68.1591



36.4498, 46.1439, 88.9844

Triad

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



32.6405, 46.1439, 68.1591



55.8584, 46.1439, 76.3199



45.1633, 46.1439, 20.6467

Complementary

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



32.6405, 46.1439, 68.1591



27.2782, 14.8529, 2.2412

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.



52.2084, 46.1439, 24.7819



32.6405, 46.1439, 68.1591



58.7928, 46.1439, 54.0353

Square

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



32.6405, 46.1439, 68.1591



49.7346, 46.1439, 94.5125



57.3905, 46.1439, 35.7784



38.4643, 46.1439, 22.5426

Rectangle

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



32.6405, 46.1439, 68.1591



40.3398, 46.1439, 97.7488



57.3905, 46.1439, 35.7784



47.5758, 46.1439, 21.3341

Sweetspot

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



32.6419, 46.1456, 68.1602



72.9329, 86.8713, 107.5316



23.6667, 46.3827, 9.0988



15.1399, 18.3051, 22.9852



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.6419, 46.1456, 68.1602



49.6132, 70.3463, 105.5711



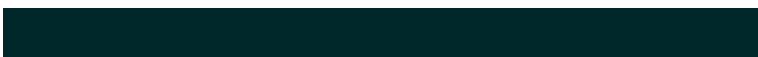
17.2619, 15.3855, 63.0335



12.1020, 13.2942, 15.1719



19.5457, 27.7380, 41.5163



1.1098, 1.5848, 2.3270

Inverse Universe

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



37.3113, 18.4859, 56.2470



57.1716, 27.6327, 85.8248



34.1769, 28.6504, 4.5408



12.2824, 11.9977, 14.7627



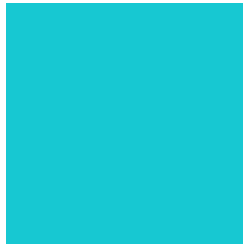
22.4965, 10.8714, 33.8504



1.2664, 0.6113, 1.9377

Previews

White Background



This preview shows how the XYZ color 32.6405, 46.1439, 68.1591 looks on a white background.

Color Contrast Check

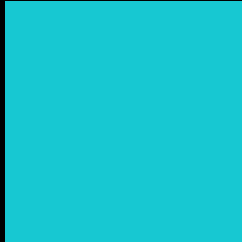
Large Text (above 18pt) WCAG AA × Fail

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 32.6405, 46.1439, 68.1591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

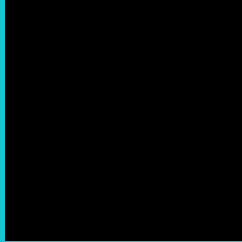
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

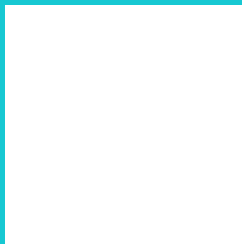
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.6405, 46.1439, 68.1591

Background



This preview shows how black text looks on a background with the XYZ color 32.6405, 46.1439, 68.1591.

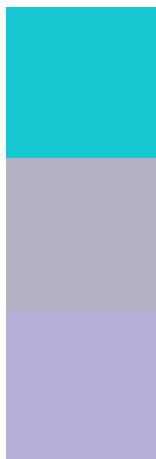


This preview shows how white text looks on a background with the XYZ color 32.6405, 46.1439,

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

32.6405, 46.1439, 68.1591

Protanopia

44.2443, 45.2913, 58.6347

Deuteranopia

46.1861, 45.1499, 70.5705



Tritanopia

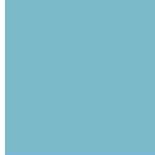
33.2848, 46.0602, 71.4262

Trichromacy



Original Color

32.6405, 46.1439, 68.1591



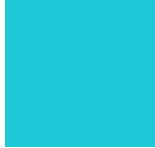
Protanomaly

36.1276, 43.4724, 61.7452



Deuteranomaly

37.1768, 43.2227, 69.3342



Tritanomaly

32.9404, 45.9122, 70.0766

Monochromacy



Original Color

32.6405, 46.1439, 68.1591



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

26.7629, 33.4613, 43.5762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6405, 46.1439, 68.1591 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, 200, 210)` looks like.

```
.text, #text, p{  
    color:rgb(23, 200, 210)  
}
```

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, 200, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 200, 210) }
```

Border

The CSS property to change the border of an element to XYZ 32.6405, 46.1439, 68.1591 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, 200, 210) }
```


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

```
.border{ border-color:rgb(23, 200, 210) }
```

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

Here you see how a box with a 4 pixel rgb(23, 200, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 200, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 200, 210);  
box-shadow:4px 4px 4px 4px rgb(23, 200,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6405, 46.1439, 68.1591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 200, 210) }
```

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

```
.background{ background-color: rgb(23, 200,  
210) }
```

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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