

Converting Colors

XYZ(32.6568, 47.5691, 64.4807)

Have a look what the booklet for
XYZ(32.6568, 47.5691, 64.4807)
contains.

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Color

**XYZ(32.7231, 47.6645,
64.6022)**

Conversions

Conversions Part 1

Format	Color
Hex	11CCCC
RGB	17, 204, 204
RGB Percent	7%, 80%, 80%
CMY	0.9332, 0.2000, 0.2000
CMYK	0.92, 0.00, 0.00, 0.20
HSL	180°, 85%, 43%
HSV	180°, 92%, 80%
XYZ	32.7231, 47.6645, 64.6022
YIQ	148.0870, -111.4520, -39.6440

Conversions

Conversions Part 2

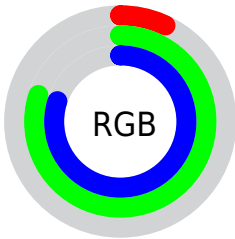
Format	Color
RYB	17, 111, 204
Decimal	1166540
CIELab	74.61, -40.14, -11.83
CIELCh	75, 41.843, 196.421
Yxy	47.6645, 0.2257, 0.3287
Android (android.graphics.Color)	4279356620 (0xFF11CCCC)
YUV	148.0870, 27.5651, -114.9633
Hunter-Lab	69.0395, -36.2143, -7.1517

Details

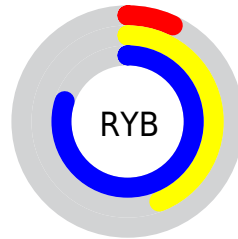
The XYZ color **32.7231, 47.6645, 64.6022** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **25.2050, 13.2803, 1.7666**, and the grayscale version is **28.1111, 29.5751, 32.2073**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **16.2525, 23.6969, 32.5715** is the 20% darker color. If you saturate the color by 10%, you get **32.4928, 47.5468, 64.5924**, and if you desaturate by 10%, it is **33.2714, 47.9482, 64.6290**.

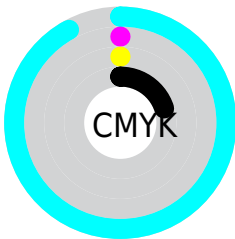
Distribution



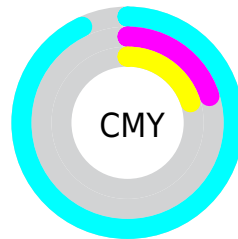
- Red (7%)
- Green (80%)
- Blue (80%)



- Red (7%)
- Yellow (44%)
- Blue (80%)



- Cyan (92%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (93%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7231, 47.6645, 64.6022 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 32.7231, 47.6645, 64.6022 by changing the saturation by 10% instead.

32.7231, 47.6645,
64.6022

32.7231, 47.6645,
64.6022

306.0873,
377.4607, 459.6281

22.0726, 33.5613,
46.6893

63.3006, 86.7047,
113.0855

14.0272, 22.5568,
32.4375

83.9582, 112.4104,
144.4931

8.2214, 14.2666,
21.4283

108.6824,
142.7524, 181.2359

4.2899, 8.3063,
13.2432

137.8383,
178.1151, 223.7325

1.8674, 4.2916,
7.4635

171.7914,
218.8829, 272.4015

0.5578, 1.8380,
3.6708

210.9070,

0.0000, 0.5107,

265.4402, 327.6614

1.4466

255.5505,
318.1713, 389.9308

■ 0.0000, 0.0000,
0.1776

■ 0.0000, 0.0000,
0.0000

■ 32.7231, 47.6645,
64.6022

■ 32.7231, 47.6645,
64.6022

■ 32.4928, 47.5468,
64.5924

■ 33.2714, 47.9482,
64.6290

■ 34.2281, 48.4414,
64.6739

■ 35.6539, 49.1764,
64.7408

■ 37.5985, 50.1789,
64.8319

■ 40.1053, 51.4712,
64.9493

■ 43.2130, 53.0733,
65.0948

■ 46.9571, 55.0034,
65.2701

■ 51.3701, 57.2784,
65.4768

■ 56.4824, 59.9139,
65.7161

Harmonies

Analogous

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



32.5728, 47.6645, 42.7107



32.7231, 47.6645, 64.6022



35.9893, 47.6645, 88.3479

Triad

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



32.7231, 47.6645, 64.6022



56.6916, 47.6645, 86.2790



48.8090, 47.6645, 21.0010

Complementary

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



32.7231, 47.6645, 64.6022



25.2050, 13.2803, 1.7666

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.



56.1006, 47.6645, 27.1718



32.7231, 47.6645, 64.6022



60.9824, 47.6645, 62.3177

Square

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



32.7231, 47.6645, 64.6022



49.5458, 47.6645, 103.0543



60.7548, 47.6645, 40.9800



41.3109, 47.6645, 21.2952

Rectangle

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



32.7231, 47.6645, 64.6022



39.7253, 47.6645, 100.2668



60.7548, 47.6645, 40.9800



51.3812, 47.6645, 22.2936

Sweetspot

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



32.7245, 47.6663, 64.6033



74.0961, 89.1979, 107.9189



21.9865, 43.3780, 7.7456



15.4201, 18.8654, 23.0785



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.



32.7245, 47.6663, 64.6033



53.8097, 78.7399, 106.9683



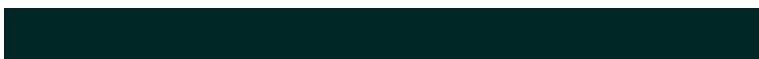
17.1073, 16.4314, 59.3985



11.5433, 12.7271, 14.4185



20.4507, 29.9256, 40.6540



1.0550, 1.5438, 2.0973

Inverse Universe

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



25.2050, 13.2803, 1.7666



41.2400, 21.2600, 1.9301



30.3037, 23.4777, 3.4661



11.2124, 11.2137, 11.6530



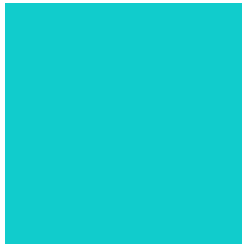
15.6735, 8.0800, 0.7335



0.8086, 0.4168, 0.0378

Previews

White Background



This preview shows how the XYZ color 32.7231, 47.6645, 64.6022 looks on a white background.

Color Contrast Check

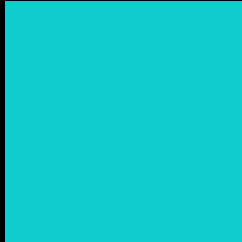
Large Text (above 18pt) WCAG AA × Fail

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 32.7231, 47.6645, 64.6022 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

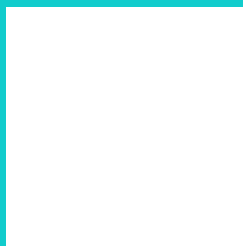
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7231, 47.6645, 64.6022

Background



This preview shows how black text looks on a background with the XYZ color 32.7231, 47.6645, 64.6022.

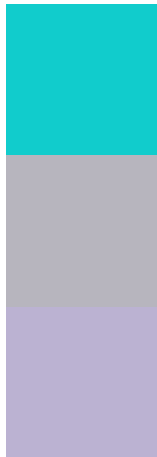


This preview shows how white text looks on a background with the XYZ color 32.7231, 47.6645,

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

32.7231, 47.6645, 64.6022

Protanopia

45.3466, 46.8327, 55.3648

Deuteranopia

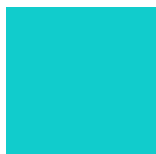
48.0468, 47.0587, 67.5237



Tritanopia

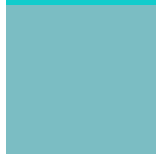
34.6505, 47.7541, 73.7209

Trichromacy



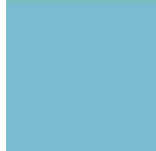
Original Color

32.7231, 47.6645, 64.6022



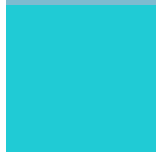
Protanomaly

36.2163, 44.5463, 58.3192



Deuteranomaly

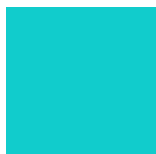
37.6129, 44.4547, 66.2727



Tritanomaly

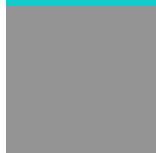
33.9618, 47.8230, 70.3916

Monochromacy



Original Color

32.7231, 47.6645, 64.6022



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

26.3260, 33.5417, 42.1325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7231, 47.6645, 64.6022 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(17, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(17, 204, 204)  
}
```

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(17, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 204, 204) }
```

Border

The CSS property to change the border of an element to XYZ 32.7231, 47.6645, 64.6022 is called "border". The border property can be set on classes, ids or directly on the HTML element.

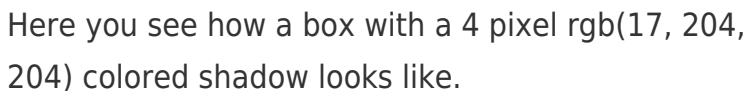
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(17, 204, 204) }
```


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

```
.border{ border-color:rgb(17, 204, 204) }
```

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



Here you see how a box with a 4 pixel `rgb(17, 204, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(17, 204,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7231, 47.6645, 64.6022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 204, 204) }
```

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

```
.background{ background-color: rgb(17, 204,  
204) }
```

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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