

Converting Colors

XYZ(31.6712, 44.3101, 64.7760)

Have a look what the booklet for
XYZ(31.6712, 44.3101, 64.7760)
contains.

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Color

**XYZ(31.6738, 44.3591,
64.6504)**

Conversions

Conversions Part 1

Format	Color
Hex	29C4CD
RGB	41, 196, 205
RGB Percent	16%, 77%, 80%
CMY	0.8392, 0.2314, 0.1961
CMYK	0.80, 0.04, 0.00, 0.20
HSL	183°, 67%, 48%
HSV	183°, 80%, 80%
XYZ	31.6738, 44.3591, 64.6504
YIQ	150.6810, -95.2690, -30.0610

Conversions

Conversions Part 2

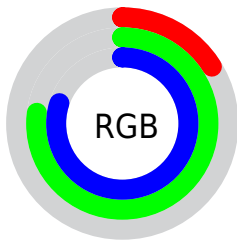
Format	Color
RYB	41, 121, 205
Decimal	2737357
CIELab	72.47, -34.68, -15.57
CIELCh	72, 38.012, 204.178
Yxy	44.3591, 0.2251, 0.3153
Android (android.graphics.Color)	4280927437 (0xFF29C4CD)
YUV	150.6810, 26.7793, -96.1902
Hunter-Lab	66.6026, -31.6665, -10.9303

Details

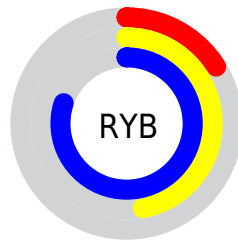
The XYZ color **31.6738, 44.3591, 64.6504** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **26.7187, 15.4217, 3.6674**, and the grayscale version is **29.1998, 30.7204, 33.4545**.

A 20% lighter version of the original color is **60.5114, 81.2525, 107.1018**, and **15.2589, 21.5804, 32.6394** is the 20% darker color. If you saturate the color by 10%, you get **30.8065, 43.5376, 64.5384**, and if you desaturate by 10%, it is **32.9711, 45.4069, 64.7851**.

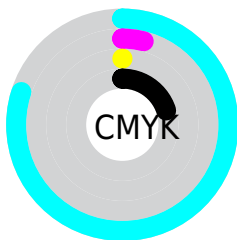
Distribution



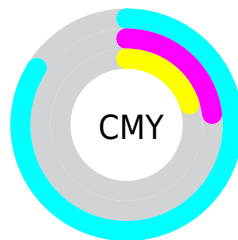
- Red (16%)
- Green (77%)
- Blue (80%)



- Red (16%)
- Yellow (47%)
- Blue (80%)



- Cyan (80%)
- Magenta (4%)
- Yellow (0%)
- Black (20%)



- Cyan (84%)
- Magenta (23%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6738, 44.3591, 64.6504 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 31.6738, 44.3591, 64.6504 by changing the saturation by 10% instead.

31.6738, 44.3591,
64.6504

31.6738, 44.3591,
64.6504

301.4024,
364.1717, 459.8064

21.2668, 30.9529,
46.7281

61.6680, 81.7578,
113.1556

13.4327, 20.5630,
32.4680

81.9859, 106.5192,
144.5755

7.8062, 12.8049,
21.4514

106.3382,
135.8343, 181.3317

4.0220, 7.2944,
13.2599

135.0902,
170.0878, 223.8428

1.7146, 3.6469,
7.4749

168.6073,
209.6638, 272.5273

0.4654, 1.4781,
3.6779

207.2547,

0.0000, 0.2732,

254.9469, 327.8037

1.4504

251.3980,
306.3214, 390.0905

■ 0.0000, 0.0000,
0.1806

■ 0.0000, 0.0000,
0.0000

■ 31.6738, 44.3591,
64.6504

■ 31.6738, 44.3591,
64.6504

■ 30.8065, 43.5376,
64.5384

■ 32.9711, 45.4069,
64.7851

■ 30.2567, 42.8818,
64.4408

■ 34.7523, 46.7061,
64.9420

■ 30.2564, 42.8814,
64.4407

■ 37.0679, 48.2835,
65.1244

■ 39.9607, 50.1615,
65.3344

■ 43.4696, 52.3598,
65.5738

■ 47.6297, 54.8967,
65.8442

■ 52.4737, 57.7891,
66.1472

■ 58.0320, 61.0525,
66.4842

■ 64.3333, 64.7019,
66.8564

Harmonies

Analogous

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



30.8212, 44.3591, 44.7286



31.6738, 44.3591, 64.6504



35.2048, 44.3591, 83.8942

Triad

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



31.6738, 44.3591, 64.6504



53.2342, 44.3591, 72.6658



43.4539, 44.3591, 20.5460

Complementary

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



31.6738, 44.3591, 64.6504



26.7187, 15.4217, 3.6674

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.



49.9803, 44.3591, 24.5379



31.6738, 44.3591, 64.6504



55.9906, 44.3591, 52.0556

Square

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



31.6738, 44.3591, 64.6504



47.5399, 44.3591, 89.2988



54.7422, 44.3591, 34.9679



37.2058, 44.3591, 22.2790

Rectangle

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



31.6738, 44.3591, 64.6504



38.8169, 44.3591, 92.0374



54.7422, 44.3591, 34.9679



45.6939, 44.3591, 21.2217

Sweetspot

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



31.6752, 44.3607, 64.6515



74.9449, 88.0590, 107.6548



23.3055, 44.3585, 10.2630



15.5245, 18.5323, 23.0088



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.



31.6752, 44.3607, 64.6515



49.8012, 70.5329, 105.5972



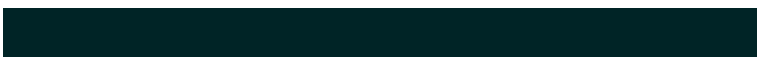
18.0434, 17.0972, 60.1075



11.4885, 12.6174, 14.4003



18.8587, 26.7414, 40.1239



0.9894, 1.4125, 2.0754

Inverse Universe

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



35.9347, 18.5517, 53.9132



57.3128, 27.8663, 86.0222



33.7217, 29.4276, 6.0018



11.6599, 11.3927, 14.0098



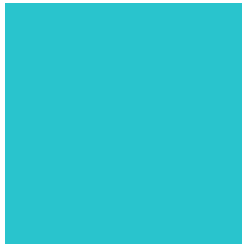
21.7299, 10.5026, 32.6260



1.1293, 0.5451, 1.7269

Previews

White Background



This preview shows how the XYZ color 31.6738, 44.3591, 64.6504 looks on a white background.

Color Contrast Check

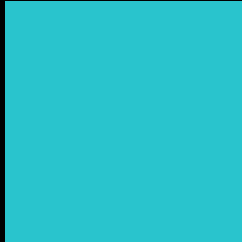
Large Text (above 18pt) WCAG AA × Fail

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 31.6738, 44.3591, 64.6504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

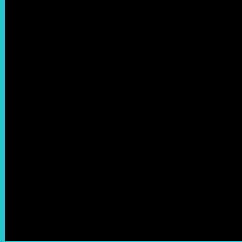
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

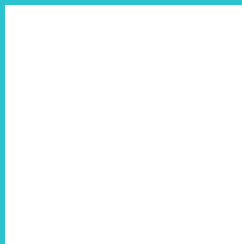
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6738, 44.3591, 64.6504

Background



This preview shows how black text looks on a background with the XYZ color 31.6738, 44.3591, 64.6504.

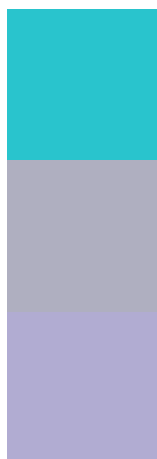


This preview shows how white text looks on a background with the XYZ color 31.6738, 44.3591,

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

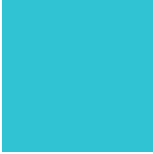
31.6738, 44.3591, 64.6504

Protanopia

42.5236, 43.5797, 56.0397

Deuteranopia

44.5168, 43.5053, 67.0238



Tritanopia

32.4453, 44.3377, 68.4760

Trichromacy



Original Color

31.6738, 44.3591, 64.6504

Protanomaly

35.6157, 42.3338, 59.1174

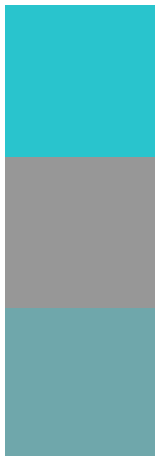
Deuteranomaly

36.8111, 42.1910, 65.8780

Tritanomaly

32.1059, 44.1916, 67.1593

Monochromacy



Original Color

31.6738, 44.3591, 64.6504

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

27.7249, 33.9572, 43.6212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6738, 44.3591, 64.6504 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(41, 196, 205)` looks like.

```
.text, #text, p{  
    color:rgb(41, 196, 205)  
}
```

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(41, 196, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 196, 205) }
```

Border

The CSS property to change the border of an element to XYZ 31.6738, 44.3591, 64.6504 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(41, 196, 205) }
```


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

```
.border{ border-color:rgb(41, 196, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 196, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 196, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 196, 205);  
box-shadow:4px 4px 4px 4px rgb(41, 196,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6738, 44.3591, 64.6504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 196, 205) }
```

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

```
.background{ background-color: rgb(41, 196,  
205) }
```

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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