

Converting Colors

XYZ(32.8111, 49.7344, 56.9923)

Have a look what the booklet for
XYZ(32.8111, 49.7344, 56.9923)
contains.

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Color

**XYZ(32.8001, 49.6696,
57.1487)**

Conversions

Conversions Part 1

Format	Color
Hex	20D1BF
RGB	32, 209, 191
RGB Percent	13%, 82%, 75%
CMY	0.8744, 0.1804, 0.2510
CMYK	0.85, 0.00, 0.09, 0.18
HSL	174°, 73%, 47%
HSV	174°, 85%, 82%
XYZ	32.8001, 49.6696, 57.1487
YIQ	154.0250, -99.7140, -43.1220

Conversions

Conversions Part 2

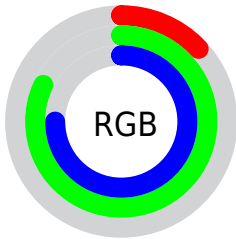
Format	Color
R_{YB}	32, 125, 209
Decimal	2150847
CIE _{Lab}	75.87, -45.26, -2.94
CIE _{LCh}	76, 45.359, 183.715
Yxy	49.6696, 0.2349, 0.3558
Android (android.graphics.Color)	4280340927 (0xFF20D1BF)
YUV	154.0250, 18.2287, -107.0159
Hunter-Lab	70.4767, -40.2596, 1.2561

Details

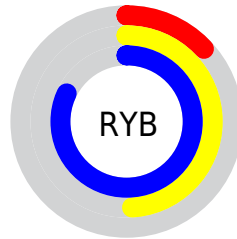
The XYZ color **32.8001, 49.6696, 57.1487** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **27.3884, 14.8201, 4.4366**, and the grayscale version is **30.6826, 32.2805, 35.1535**.

A 20% lighter version of the original color is **59.4879, 81.8128, 100.6518**, and **16.1430, 24.9462, 28.0090** is the 20% darker color. If you saturate the color by 10%, you get **32.1126, 49.3432, 55.9051**, and if you desaturate by 10%, it is **33.9049, 50.2131, 58.4317**.

Distribution



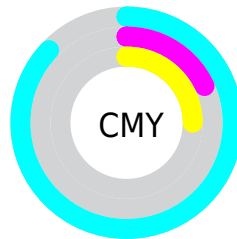
- Red (13%)
- Green (82%)
- Blue (75%)



- Red (13%)
- Yellow (49%)
- Blue (82%)



- Cyan (85%)
- Magenta (0%)
- Yellow (9%)
- Black (18%)




- Cyan (87%)
- Magenta (18%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8001, 49.6696, 57.1487 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 32.8001, 49.6696, 57.1487 by changing the saturation by 10% instead.


 32.8001, 49.6696,
57.1487


 32.8001, 49.6696,
57.1487


306.4290,
385.3725, 431.5156


 22.1319, 35.1509,
40.7145

 63.4201, 89.6851,
102.1846


 14.0710, 23.7792,
27.7780


 84.1025, 115.9508,
131.6234


 8.2521, 15.1699,
17.9208


 108.8537,
146.9010, 166.2341

 4.3098, 8.9387,
10.7243

 138.0391,
182.9200, 206.4353

 1.8789, 4.7012,
5.7699

 172.0239,
224.3922, 252.6455

 0.5645, 2.0730,
2.6392

211.1736,

 0.0000, 0.6494,

271.7021, 305.2833

0.9126

255.8535,
325.2341, 364.7671

■ 0.0000, 0.0000,
0.0000

■ 32.8001, 49.6696,
57.1487

■ 32.8001, 49.6696,
57.1487

■ 32.1126, 49.3432,
55.9051

■ 33.9049, 50.2131,
58.4317

■ 31.8509, 49.2224,
55.2553

■ 35.4901, 51.0027,
59.7540

■ 37.6127, 52.0689,
61.1192

■ 40.3204, 53.4363,
62.5298

■ 43.6558, 55.1269,
63.9877

■ 47.6573, 57.1606,
65.4949

■ 52.3606, 59.5556,
67.0532

■ 57.7985, 62.3289,
68.6640

■ 64.0018, 65.4964,
70.3290

Harmonies

Analogous

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



34.1062, 49.6696, 36.0054



32.8001, 49.6696, 57.1487



34.9596, 49.6696, 84.1886

Triad

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



32.8001, 49.6696, 57.1487



56.7993, 49.6696, 102.6674



54.7644, 49.6696, 22.2039

Complementary

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



32.8001, 49.6696, 57.1487



27.3884, 14.8201, 4.4366

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.



62.0310, 49.6696, 32.1740



32.8001, 49.6696, 57.1487



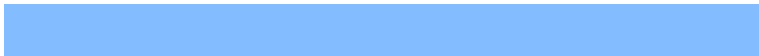
63.3007, 49.6696, 77.3767

Square

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



32.8001, 49.6696, 57.1487



48.2685, 49.6696, 114.9593



65.3200, 49.6696, 51.1265



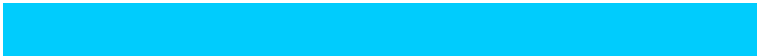
46.1660, 49.6696, 19.7042

Rectangle

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



32.8001, 49.6696, 57.1487



38.2445, 49.6696, 100.8461



65.3200, 49.6696, 51.1265



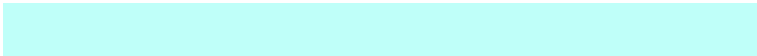
57.4761, 49.6696, 24.6091

Sweetspot

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



32.8015, 49.6715, 57.1499



74.3322, 89.4382, 102.5728



24.5128, 46.4547, 9.0423



15.4114, 18.8898, 21.7734



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.



32.8015, 49.6715, 57.1499



49.9118, 77.1807, 86.4421



21.6533, 24.0073, 63.8163



12.1044, 13.3855, 14.9061



19.6588, 30.3565, 34.1790



1.1145, 1.7035, 1.9917

Inverse Universe

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



27.3884, 14.8201, 4.4366



41.4257, 21.3343, 2.9081



31.1002, 22.7478, 4.1192



11.8569, 11.8275, 12.5223



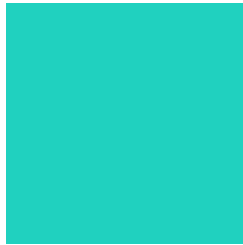
16.3145, 8.3986, 1.2964



0.9292, 0.4764, 0.1621

Previews

White Background



This preview shows how the XYZ color 32.8001, 49.6696, 57.1487 looks on a white background.

Color Contrast Check

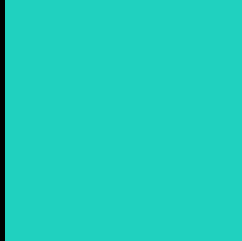
Large Text (above 18pt) WCAG AA × Fail

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 32.8001, 49.6696, 57.1487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

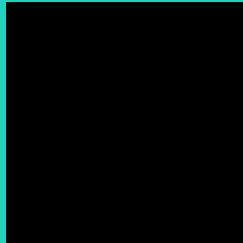
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

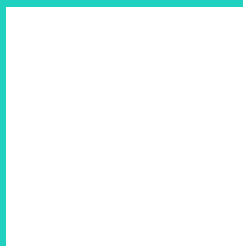
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8001, 49.6696, 57.1487

Background



This preview shows how black text looks on a background with the XYZ color 32.8001, 49.6696, 57.1487.

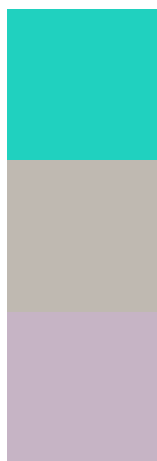


This preview shows how white text looks on a background with the XYZ color 32.8001, 49.6696,

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

32.8001, 49.6696, 57.1487

Protanopia

46.7706, 48.9486, 48.5779

Deuteranopia

49.6880, 48.6795, 59.6006



Tritanopia

36.6861, 49.8129, 76.0879

Trichromacy



Original Color

32.8001, 49.6696, 57.1487



Protanomaly

37.4082, 46.9475, 51.3461



Deuteranomaly

38.9624, 46.6050, 58.5719



Tritanomaly

34.9708, 49.4487, 68.6742

Monochromacy



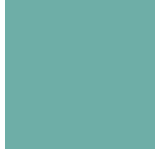
Original Color

32.8001, 49.6696, 57.1487



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.5415, 36.3771, 42.0764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8001, 49.6696, 57.1487 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(32, 209, 191)` looks like.

```
.text, #text, p{  
    color:rgb(32, 209, 191)  
}
```

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(32, 209, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 209, 191) }
```

Border

The CSS property to change the border of an element to XYZ 32.8001, 49.6696, 57.1487 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(32, 209, 191) }
```


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

```
.border{ border-color:rgb(32, 209, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 209, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 209, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 209, 191);  
box-shadow:4px 4px 4px 4px rgb(32, 209,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8001, 49.6696, 57.1487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 209, 191) }
```

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

```
.background{ background-color: rgb(32, 209,  
191) }
```

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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