

Converting Colors

XYZ(33.7237, 50.4127, 62.6636)

Have a look what the booklet for
XYZ(33.7237, 50.4127, 62.6636)
contains.

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Color

**XYZ(33.7031, 50.3825,
62.5920)**

Conversions

Conversions Part 1

Format	Color
Hex	11D2C8
RGB	17, 210, 200
RGB Percent	7%, 82%, 78%
CMY	0.9332, 0.1765, 0.2157
CMYK	0.92, 0.00, 0.05, 0.18
HSL	177°, 85%, 45%
HSV	177°, 92%, 82%
XYZ	33.7031, 50.3825, 62.5920
YIQ	151.1530, -111.8180, -44.0260

Conversions

Conversions Part 2

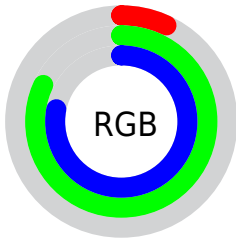
Format	Color
RYB	17, 116, 210
Decimal	1168072
CIELab	76.30, -43.96, -7.15
CIELCh	76, 44.538, 189.241
Yxy	50.3825, 0.2298, 0.3435
Android (android.graphics.Color)	4279358152 (0xFF11D2C8)
YUV	151.1530, 24.0816, -117.6522
Hunter-Lab	70.9806, -39.4605, -2.5965

Details

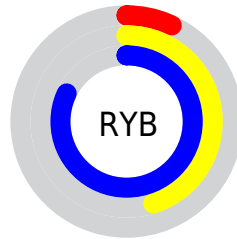
The XYZ color **33.7031, 50.3825, 62.5920** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **26.9784, 14.1833, 2.3547**, and the grayscale version is **29.4199, 30.9521, 33.7068**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **16.9097, 25.5180, 31.2284** is the 20% darker color. If you saturate the color by 10%, you get **33.3700, 50.2238, 62.0405**, and if you desaturate by 10%, it is **34.4011, 50.7287, 63.2923**.

Distribution



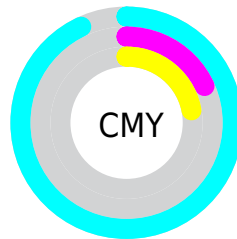
- Red (7%)
- Green (82%)
- Blue (78%)



- Red (7%)
- Yellow (45%)
- Blue (82%)



- Cyan (92%)
- Magenta (0%)
- Yellow (5%)
- Black (18%)



- Cyan (93%)
- Magenta (18%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7031, 50.3825, 62.5920 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 33.7031, 50.3825, 62.5920 by changing the saturation by 10% instead.

33.7031, 50.3825,
62.5920

33.7031, 50.3825,
62.5920

310.4154,
388.1599, 452.1544

22.8274, 35.7174,
45.0723

64.8191, 90.7413,
110.1606

14.5861, 24.2160,
31.1710

85.7900, 117.2039,
141.0465

8.6138, 15.4939,
20.4696

110.8568,
148.3677, 177.2251

4.5453, 9.1668,
12.5494

140.3848,
184.6172, 219.1146

2.0150, 4.8501,
6.9919

174.7393,
226.3368, 267.1338

0.6424, 2.1596,
3.3787

214.2856,

0.0000, 0.6978,

273.9108, 321.7011

1.2911

259.3892,
327.7237, 383.2351

■ 0.0000, 0.0000,
0.0545

■ 0.0000, 0.0000,
0.0000

■ 33.7031, 50.3825,
62.5920

■ 33.7031, 50.3825,
62.5920

■ 33.3700, 50.2238,
62.0405

■ 34.4011, 50.7287,
63.2923

■ 35.5347, 51.2982,
64.0166

■ 37.1697, 52.1262,
64.7690

■ 39.3596, 53.2400,
65.5523

■ 42.1512, 54.6640,
66.3684

■ 45.5862, 56.4195,
67.2194

■ 49.7027, 58.5263,
68.1071

■ 54.5358, 61.0023,
69.0332

■ 60.1182, 63.8645,
69.9991

Harmonies

Analogous

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



34.3683, 50.3825, 40.0995



33.7031, 50.3825, 62.5920



36.4805, 50.3825, 89.4559

Triad

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



33.7031, 50.3825, 62.5920



58.7977, 50.3825, 98.8191



53.8161, 50.3825, 22.0777

Complementary

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



33.7031, 50.3825, 62.5920



26.9784, 14.1833, 2.3547

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.



61.4534, 50.3825, 30.5761



33.7031, 50.3825, 62.5920



64.5540, 50.3825, 72.8549

Square

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



33.7031, 50.3825, 62.5920



50.5164, 50.3825, 114.0310



65.5787, 50.3825, 47.7888



45.3505, 50.3825, 20.7993

Rectangle

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



33.7031, 50.3825, 62.5920



40.1243, 50.3825, 104.7179



65.5787, 50.3825, 47.7888



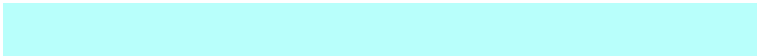
56.5916, 50.3825, 24.0347

Sweetspot

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



33.7046, 50.3844, 62.5932



72.8913, 88.6449, 104.7828



23.6812, 46.4098, 8.2415



15.0416, 18.6871, 22.3011



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.



33.7046, 50.3844, 62.5932



51.7545, 77.9178, 96.1458



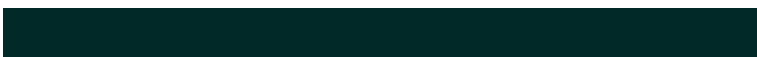
19.3748, 19.7924, 63.7740



12.1308, 13.3961, 15.0452



20.3663, 30.6395, 37.9046



1.1471, 1.7165, 2.1631

Inverse Universe

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



26.9784, 14.1833, 2.3547



41.3141, 21.2896, 2.3200



31.3007, 22.9827, 3.3180



11.8332, 11.8180, 12.3976



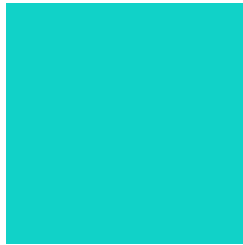
16.2602, 8.3769, 1.0104



0.9181, 0.4719, 0.1034

Previews

White Background



This preview shows how the XYZ color 33.7031, 50.3825, 62.5920 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 33.7031, 50.3825, 62.5920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

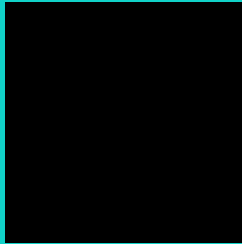
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

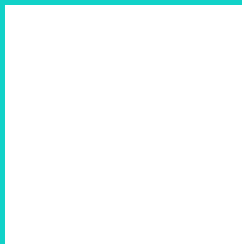
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7031, 50.3825, 62.5920

Background



This preview shows how black text looks on a background with the XYZ color 33.7031, 50.3825, 62.5920.

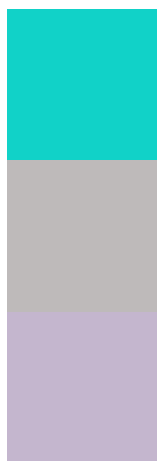


This preview shows how white text looks on a background with the XYZ color 33.7031, 50.3825,

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

33.7031, 50.3825, 62.5920

Protanopia

47.6570, 49.6101, 53.5183

Deuteranopia

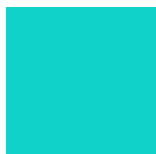
50.6335, 49.6479, 65.3068



Tritanopia

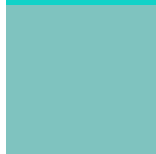
36.8987, 50.6063, 77.6353

Trichromacy



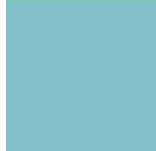
Original Color

33.7031, 50.3825, 62.5920



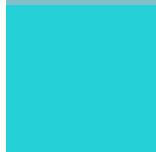
Protanomaly

37.6715, 47.3038, 56.4353



Deuteranomaly

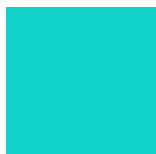
39.1088, 46.8842, 64.1150



Tritanomaly

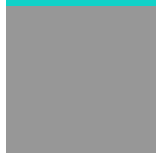
35.5846, 50.4114, 72.1448

Monochromacy



Original Color

33.7031, 50.3825, 62.5920



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.3934, 35.1944, 42.8855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7031, 50.3825, 62.5920 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, 210, 200)` looks like.

```
.text, #text, p{  
    color:rgb(17, 210, 200)  
}
```

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, 210, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 210, 200) }
```

Border

The CSS property to change the border of an element to XYZ 33.7031, 50.3825, 62.5920 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, 210, 200) }
```


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

```
.border{ border-color:rgb(17, 210, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 210, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 210, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 210, 200);  
box-shadow:4px 4px 4px 4px rgb(17, 210,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7031, 50.3825, 62.5920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 210, 200) }
```

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

```
.background{ background-color: rgb(17, 210,  
200) }
```

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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