

Converting Colors

XYZ(32.6330, 44.8256, 65.9833)

Have a look what the booklet for
XYZ(32.6330, 44.8256, 65.9833)
contains.

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Color

**XYZ(32.6333, 44.8256,
65.9637)**

Conversions

Conversions Part 1

Format	Color
Hex	38C4CF
RGB	56, 196, 207
RGB Percent	22%, 77%, 81%
CMY	0.7804, 0.2314, 0.1882
CMYK	0.73, 0.05, 0.00, 0.19
HSL	184°, 61%, 52%
HSV	184°, 73%, 81%
XYZ	32.6333, 44.8256, 65.9637
YIQ	155.3940, -86.9710, -26.2590

Conversions

Conversions Part 2

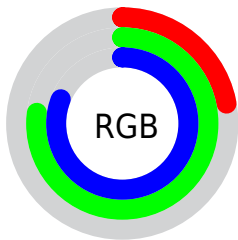
Format	Color
R _{YB}	56, 129, 207
Decimal	3720399
CIE Lab	72.78, -32.54, -16.17
CIE LCh	73, 36.338, 206.417
Yxy	44.8256, 0.2275, 0.3125
Android (android.graphics.Color)	4281910479 (0xFF38C4CF)
YUV	155.3940, 25.4418, -87.1685
Hunter-Lab	66.9519, -30.1625, -11.5485

Details

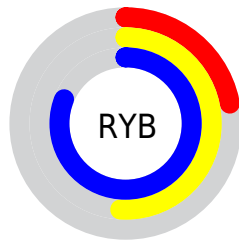
The XYZ color **32.6333, 44.8256, 65.9637** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.4542, 17.5666, 5.6337**, and the grayscale version is **31.2505, 32.8780, 35.8041**.

A 20% lighter version of the original color is **61.6327, 81.8305, 107.1542**, and **15.4228, 21.6459, 33.5022** is the 20% darker color. If you saturate the color by 10%, you get **31.3685, 43.6721, 65.8086**, and if you desaturate by 10%, it is **34.3823, 46.2357, 66.1445**.

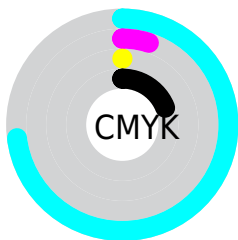
Distribution



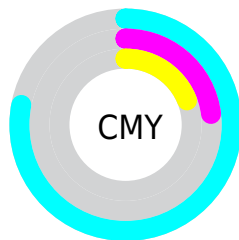
- Red (22%)
- Green (77%)
- Blue (81%)



- Red (22%)
- Yellow (51%)
- Blue (81%)



- Cyan (73%)
- Magenta (5%)
- Yellow (0%)
- Black (19%)





- Cyan (78%)
- Magenta (23%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6333, 44.8256, 65.9637 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 32.6333, 44.8256, 65.9637 by changing the saturation by 10% instead.


 32.6333, 44.8256,
65.9637


 32.6333, 44.8256,
65.9637

305.6884,
366.0668, 464.6477

 22.0036, 31.3201,
47.7866

 63.1611, 82.4586,
115.0607


 13.9761, 20.8427,
33.2992


 83.7899, 107.3550,
146.8178


 8.1857, 13.0091,
22.0827

 108.4824,
136.8170, 183.9386

 4.2668, 7.4348,
13.7188

 137.6040,
171.2291, 226.8417

 1.8541, 3.7355,
7.7888

 171.5201,
210.9758, 275.9456

 0.5500, 1.5267,
3.8743

210.5959,

 0.0000, 0.3074,

256.4414, 331.6689

1.5566

255.1969,
308.0102, 394.4301

■ 0.0000, 0.0000,
0.2596

■ 0.0000, 0.0000,
0.0000

■ 32.6333, 44.8256,
65.9637

■ 32.6333, 44.8256,
65.9637

■ 31.3685, 43.6721,
65.8086

■ 34.3823, 46.2357,
66.1445

■ 30.5205, 42.7376,
65.6729

■ 36.6640, 47.9244,
66.3502

■ 30.0954, 42.1705,
65.5858

■ 39.5253, 49.9172,
66.5841

■ 43.0071, 52.2349,
66.8479

■ 47.1465, 54.8967,
67.1435

■ 51.9775, 57.9202,
67.4725

■ 57.5320, 61.3219,
67.8363

■ 63.8398, 65.1171,
68.2364

■ 70.9291, 69.3203,
68.6741

Harmonies

Analogous

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



31.6032, 44.8256, 46.6669



32.6333, 44.8256, 65.9637



36.2379, 44.8256, 83.8719

Triad

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



32.6333, 44.8256, 65.9637



53.5382, 44.8256, 70.6715



43.3685, 44.8256, 21.6849

Complementary

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



32.6333, 44.8256, 65.9637



28.4542, 17.5666, 5.6337

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.



49.6782, 44.8256, 25.1981



32.6333, 44.8256, 65.9637



55.9038, 44.8256, 51.0125

Square

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



32.6333, 44.8256, 65.9637



48.2368, 44.8256, 87.0277



54.4265, 44.8256, 34.9181



37.4303, 44.8256, 23.8256

Rectangle

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



32.6333, 44.8256, 65.9637



39.8178, 44.8256, 90.9940



54.4265, 44.8256, 34.9181



45.5201, 44.8256, 22.2158

Sweetspot

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



32.6347, 44.8273, 65.9648



76.0469, 88.2888, 107.6411



24.9302, 45.8616, 12.7043



15.8599, 18.6324, 23.0105



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.



32.6347, 44.8273, 65.9648



49.3685, 69.0360, 105.3310



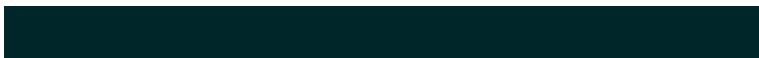
19.7851, 19.1280, 61.6816



12.0816, 13.2535, 15.1651



18.9912, 26.6290, 41.3315



1.0844, 1.5340, 2.3185

Inverse Universe

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



37.1113, 20.0806, 54.1462



57.2486, 28.4308, 83.8643



36.0560, 32.7701, 8.1676



12.2721, 11.9936, 14.7086



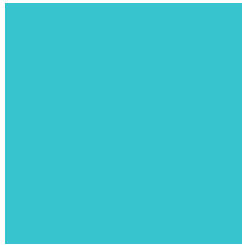
22.2166, 10.7595, 32.3764



1.2536, 0.6061, 1.8701

Previews

White Background



This preview shows how the XYZ color 32.6333, 44.8256, 65.9637 looks on a white background.

Color Contrast Check

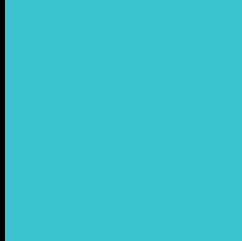
Large Text (above 18pt) WCAG AA × Fail

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 32.6333, 44.8256, 65.9637 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

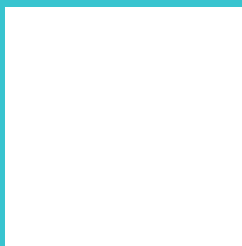
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.6333, 44.8256, 65.9637

Background



This preview shows how black text looks on a background with the XYZ color 32.6333, 44.8256, 65.9637.



This preview shows how white text looks on a background with the XYZ color 32.6333, 44.8256, 65.9637.

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

32.6333, 44.8256, 65.9637

Protanopia

42.9421, 44.0597, 57.2800

Deuteranopia

44.9587, 43.9877, 68.4083



Tritanopia

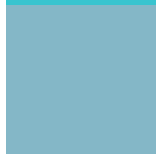
33.0766, 44.6632, 68.5056

Trichromacy



Original Color

32.6333, 44.8256, 65.9637



Protanomaly

36.7580, 42.8960, 60.3752



Deuteranomaly

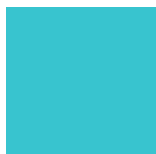
37.8296, 42.6874, 67.2184



Tritanomaly

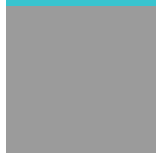
32.8929, 44.5829, 67.8445

Monochromacy



Original Color

32.6333, 44.8256, 65.9637



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.6225, 35.7274, 45.3792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6333, 44.8256, 65.9637 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(56, 196, 207)` looks like.

```
.text, #text, p{  
    color:rgb(56, 196, 207)  
}
```

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(56, 196, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 196, 207) }
```

Border

The CSS property to change the border of an element to XYZ 32.6333, 44.8256, 65.9637 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(56, 196, 207) }
```


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

```
.border{ border-color:rgb(56, 196, 207) }
```

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

Here you see how a box with a 4 pixel rgb(56, 196, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 196, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 196, 207);  
box-shadow:4px 4px 4px 4px rgb(56, 196,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6333, 44.8256, 65.9637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 196, 207) }
```

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

```
.background{ background-color: rgb(56, 196,  
207) }
```

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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