

Converting Colors

XYZ(32.1264, 43.5667, 45.5466)

Have a look what the booklet for
XYZ(32.1264, 43.5667, 45.5466)
contains.

XYZ(32.2399, 43.7420, 45.7736)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.2399, 43.7420,
45.7736)**

Conversions

Conversions Part 1

Format	Color
Hex	6AC0AC
RGB	106, 192, 172
RGB Percent	42%, 75%, 67%
CMY	0.5843, 0.2470, 0.3255
CMYK	0.45, 0.00, 0.10, 0.25
HSL	166°, 41%, 58%
HSV	166°, 45%, 75%
XYZ	32.2399, 43.7420, 45.7736
YIQ	164.0060, -44.8360, -24.4520

Conversions

Conversions Part 2

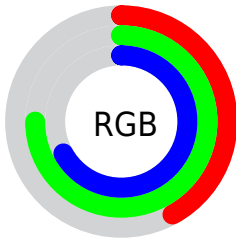
Format	Color
RYB	106, 155, 192
Decimal	6996140
CIELab	72.06, -30.85, 2.00
CIELCh	72, 30.912, 176.298
Yxy	43.7420, 0.2648, 0.3593
Android (android.graphics.Color)	4285186220 (0xFF6AC0AC)
YUV	164.0060, 3.9410, -50.8713
Hunter-Lab	66.1377, -28.7283, 5.2621

Details

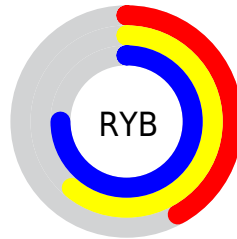
The XYZ color **32.2399, 43.7420, 45.7736** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.6596, 23.0221, 22.5681**, and the grayscale version is **35.2876, 37.1253, 40.4295**.

A 20% lighter version of the original color is **62.6411, 80.9788, 85.0020**, and **13.7453, 20.1860, 20.9411** is the 20% darker color. If you saturate the color by 10%, you get **29.7872, 42.5274, 43.4582**, and if you desaturate by 10%, it is **35.2203, 45.2292, 48.1908**.

Distribution



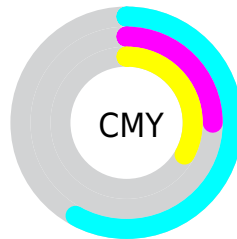
- Red (42%)
- Green (75%)
- Blue (67%)



- Red (42%)
- Yellow (61%)
- Blue (75%)



- Cyan (45%)
- Magenta (0%)
- Yellow (10%)
- Black (25%)





- Cyan (58%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2399, 43.7420, 45.7736 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 32.2399, 43.7420, 45.7736 by changing the saturation by 10% instead.


 32.2399, 43.7420,
45.7736


 32.2399, 43.7420,
45.7736


303.9365,
361.6544, 386.1488


 21.7012, 30.4677,
31.7198


 62.5496, 80.8294,
85.2108


 13.7529, 20.1939,
20.8845


 83.0514, 105.4113,
111.4313

 8.0296, 12.5361,
12.8492


 107.6050,
134.5312, 142.5444

 4.1658, 7.1099,
7.1953

 136.5757,
168.5735, 178.9687

 1.7964, 3.5309,
3.5042

170.3288,
207.9225, 221.1228

 0.5155, 1.4148,
1.3575

209.2297,

 0.0000, 0.2276,

252.9628, 269.4251

0.1082

253.6439,
304.0786, 324.2943

■ 0.0000, 0.0000,
0.0000

■ 32.2399, 43.7420,
45.7736

■ 32.2399, 43.7420,
45.7736

■ 29.7872, 42.5274,
43.4582

■ 35.2203, 45.2292,
48.1908

■ 27.8238, 41.5623,
41.2393

■ 38.7562, 46.9999,
50.7091

■ 26.3121, 40.8285,
39.1153


■ 42.8777, 49.0708,
53.3314


■ 25.2071, 40.3027,
37.0833


■ 47.6117, 51.4558,
56.0598


■ 24.4543, 39.9568,
35.1401


■ 52.9834, 54.1678,
58.8961

 24.1442, 39.8183,
34.1601

 59.0167, 57.2191,
61.8421

 65.7339, 60.6213,
64.8994

 71.4419, 63.5014,
67.9897

 71.9983, 63.7239,
70.9195

Harmonies

Analogous

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



33.6841, 43.7420, 33.2398



32.2399, 43.7420, 45.7736



33.1172, 43.7420, 61.7143

Triad

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



32.2399, 43.7420, 45.7736



46.2403, 43.7420, 78.7600



47.4707, 43.7420, 27.2928

Complementary

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



32.2399, 43.7420, 45.7736



30.6596, 23.0221, 22.5681

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.



51.3636, 43.7420, 35.8662



32.2399, 43.7420, 45.7736



50.6120, 43.7420, 65.6630

Square

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



32.2399, 43.7420, 45.7736



40.9230, 43.7420, 82.9581



52.5588, 43.7420, 49.5310



42.2349, 43.7420, 24.0950

Rectangle

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



32.2399, 43.7420, 45.7736



34.9445, 43.7420, 71.9077



52.5588, 43.7420, 49.5310



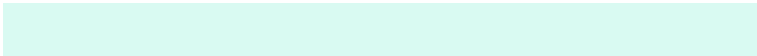
48.9963, 43.7420, 29.5394

Sweetspot

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



32.2411, 43.7437, 45.7746



78.9715, 89.5557, 97.3995



30.0665, 43.1824, 20.3868



16.5565, 19.0187, 20.6633



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.2411, 43.7437, 45.7746



53.9411, 77.0397, 78.7103



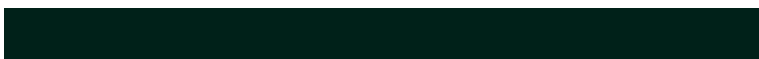
29.6600, 35.2722, 55.1161



10.2651, 11.3871, 12.3993



16.2769, 26.8048, 23.1490



0.7283, 1.1682, 1.1319

Inverse Universe

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



30.6596, 23.0221, 22.5681



50.7288, 34.6424, 31.3458



32.1826, 27.9313, 17.3316



10.1670, 10.1154, 10.9702



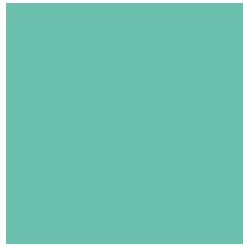
14.9672, 7.6766, 2.4732



0.6743, 0.3427, 0.2520

Previews

White Background



This preview shows how the XYZ color 32.2399, 43.7420, 45.7736 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 32.2399, 43.7420, 45.7736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

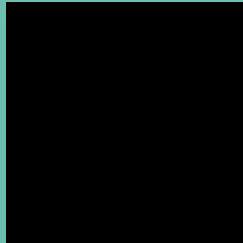
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

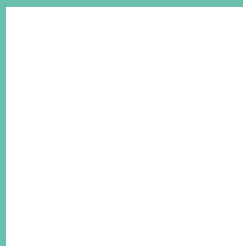
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2399, 43.7420, 45.7736

Background



This preview shows how black text looks on a background with the XYZ color 32.2399, 43.7420, 45.7736.

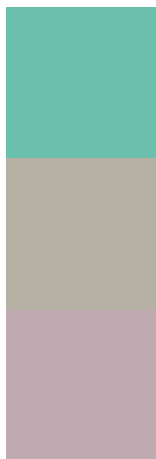


This preview shows how white text looks on a background with the XYZ color 32.2399, 43.7420,

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

32.2399, 43.7420, 45.7736

Protanopia

41.2322, 43.2494, 40.8251

Deuteranopia

44.0488, 43.1302, 47.5983



Tritanopia

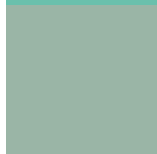
35.8329, 43.9231, 63.0893

Trichromacy



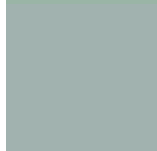
Original Color

32.2399, 43.7420, 45.7736



Protanomaly

36.7332, 42.6709, 42.3767



Deuteranomaly

38.3562, 42.5130, 46.7417



Tritanomaly

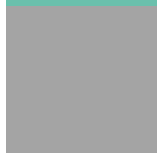
34.3941, 43.6457, 56.4809

Monochromacy



Original Color

32.2399, 43.7420, 45.7736



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.4388, 38.9018, 42.3056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2399, 43.7420, 45.7736 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(106, 192, 172)` looks like.

```
.text, #text, p{  
    color:rgb(106, 192, 172)  
}
```

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(106, 192, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 192, 172) }
```

Border

The CSS property to change the border of an element to XYZ 32.2399, 43.7420, 45.7736 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(106, 192, 172) }
```


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

```
.border{ border-color:rgb(106, 192, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 192, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 192, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 192, 172);  
box-shadow:4px 4px 4px 4px rgb(106, 192,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2399, 43.7420, 45.7736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 192, 172) }
```

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

```
.background{ background-color: rgb(106,  
192, 172) }
```

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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