

Converting Colors

XYZ(33.7422, 46.6393, 55.9391)

Have a look what the booklet for
XYZ(33.7422, 46.6393, 55.9391)
contains.

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Color

**XYZ(33.7422, 46.6393,
55.9391)**

Conversions

Conversions Part 1

Format	Color
Hex	58C7BE
RGB	88, 199, 190
RGB Percent	35%, 78%, 75%
CMY	0.6549, 0.2196, 0.2549
CMYK	0.56, 0.00, 0.05, 0.22
HSL	175°, 50%, 56%
HSV	175°, 56%, 78%
XYZ	33.7422, 46.6393, 55.9391
YIQ	164.7850, -63.2670, -26.3310

Conversions

Conversions Part 2

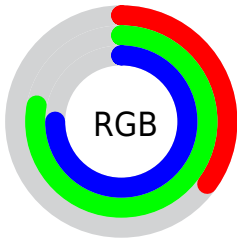
Format	Color
RYB	88, 146, 199
Decimal	5818302
CIELab	73.96, -33.72, -5.08
CIElCh	74, 34.096, 188.571
Yxy	46.6393, 0.2475, 0.3421
Android (android.graphics.Color)	4284008382 (0xFF58C7BE)
YUV	164.7850, 12.4310, -67.3404
Hunter-Lab	68.2930, -31.3194, -0.7596

Details

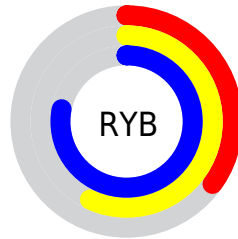
The XYZ color **33.7422, 46.6393, 55.9391** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted spring green. A complement of this color would be **29.2022, 19.9860, 13.6294**, and the grayscale version is **35.6265, 37.4819, 40.8178**.

A 20% lighter version of the original color is **64.4272, 84.3769, 100.0795**, and **14.7033, 22.0892, 27.1556** is the 20% darker color. If you saturate the color by 10%, you get **31.9343, 45.7287, 54.9397**, and if you desaturate by 10%, it is **36.0688, 47.8193, 56.9750**.

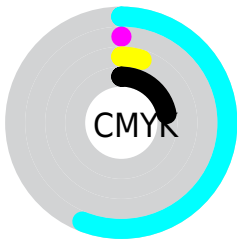
Distribution



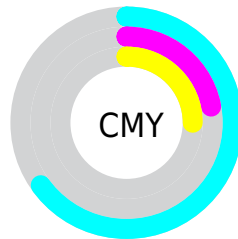
- Red (35%)
- Green (78%)
- Blue (75%)



- Red (35%)
- Yellow (57%)
- Blue (78%)



- Cyan (56%)
- Magenta (0%)
- Yellow (5%)
- Black (22%)





- Cyan (65%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7422, 46.6393, 55.9391 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 33.7422, 46.6393, 55.9391 by changing the saturation by 10% instead.

 33.7422, 46.6393,
55.9391


 33.7422, 46.6393,
55.9391


310.5872,
373.3729, 426.8438


 22.8576, 32.7506,
39.7504


 64.8795, 85.1750,
100.4004


 14.6085, 21.9355,
27.0317


 85.8629, 110.5907,
129.5102

 8.6296, 13.8095,
17.3644


 110.9433,
140.6176, 163.7640

 4.5555, 7.9883,
10.3299

 140.4860,
175.6400, 203.5805

 2.0210, 4.0874,
5.5098

174.8564,
216.0424, 249.3782

 0.6457, 1.7226,
2.4855

214.4198,

 0.0000, 0.4382,

262.2090, 301.5756

0.8324

259.5416,
314.5244, 360.5913

■ 0.0000, 0.0000,
0.0000

■ 33.7422, 46.6393,
55.9391

■ 33.7422, 46.6393,
55.9391

■ 31.9343, 45.7287,
54.9397

■ 36.0688, 47.8193,
56.9750

■ 30.5982, 45.0599,
53.9715

■ 38.9483, 49.2830,
58.0461

■ 29.6853, 44.6091,
53.0333

■ 42.4164, 51.0499,
59.1549

■ 29.1336, 44.3443,
52.1220

■ 46.5048, 53.1364,
60.3030

■ 28.9573, 44.2617,
51.7429

■ 51.2431, 55.5577,
61.4919

■ 56.6586, 58.3279,
62.7229

■ 62.7775, 61.4604,
63.9971

■ 69.6242, 64.9679,
65.3158

■ 72.6266, 66.4933,
66.4651

Harmonies

Analogous

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



34.3104, 46.6393, 39.5031



33.7422, 46.6393, 55.9391



35.8007, 46.6393, 74.6561

Triad

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



33.7422, 46.6393, 55.9391



52.0274, 46.6393, 81.7244



48.7403, 46.6393, 25.5512

Complementary

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



33.7422, 46.6393, 55.9391



29.2022, 19.9860, 13.6294

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.



54.1149, 46.6393, 32.6325



33.7422, 46.6393, 55.9391



56.1302, 46.6393, 64.0268

Square

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



33.7422, 46.6393, 55.9391



46.0951, 46.6393, 91.6192



56.9272, 46.6393, 45.9525



42.6091, 46.6393, 24.3428

Rectangle

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



33.7422, 46.6393, 55.9391



38.5069, 46.6393, 85.0552



56.9272, 46.6393, 45.9525



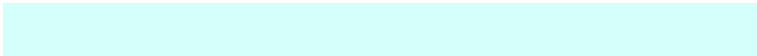
50.7108, 46.6393, 27.2304

Sweetspot

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



33.7436, 46.6411, 55.9402



80.2996, 92.4607, 105.2821



27.1428, 44.1085, 16.3167



16.8629, 19.6247, 22.4462



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.



33.7436, 46.6411, 55.9402



55.3283, 79.7712, 95.8133



25.6851, 28.9006, 58.2595



10.9082, 12.0522, 13.4666



18.6349, 28.4663, 33.3516



0.8936, 1.3524, 1.6385

Inverse Universe

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



29.2022, 19.9860, 13.6294



46.6269, 28.5059, 14.6014



33.8760, 29.9678, 13.2324



10.6682, 10.6507, 11.2360



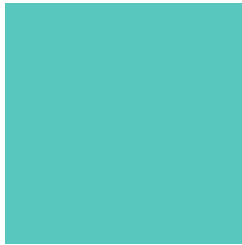
15.2194, 7.8373, 1.0994



0.7330, 0.3760, 0.1171

Previews

White Background



This preview shows how the XYZ color 33.7422, 46.6393, 55.9391 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 33.7422, 46.6393, 55.9391 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

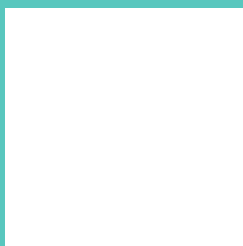
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7422, 46.6393, 55.9391

Background



This preview shows how black text looks on a background with the XYZ color 33.7422, 46.6393, 55.9391.

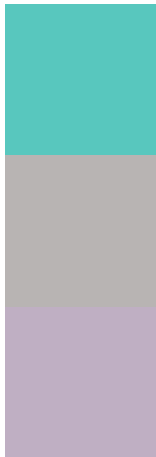


This preview shows how white text looks on a background with the XYZ color 33.7422, 46.6393,

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

33.7422, 46.6393, 55.9391

Protanopia

44.2251, 46.0875, 49.2127

Deuteranopia

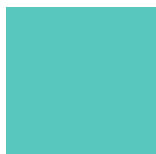
46.6662, 45.6764, 57.9866



Tritanopia

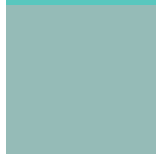
36.4475, 46.7201, 69.3843

Trichromacy



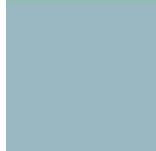
Original Color

33.7422, 46.6393, 55.9391



Protanomaly

38.7120, 45.3491, 51.5127



Deuteranomaly

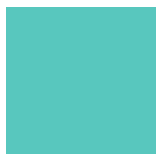
40.0926, 45.0013, 57.0251



Tritanomaly

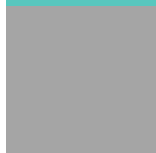
35.3795, 46.6193, 64.2605

Monochromacy



Original Color

33.7422, 46.6393, 55.9391



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.6786, 39.8186, 45.9551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7422, 46.6393, 55.9391 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(88, 199, 190)` looks like.

```
.text, #text, p{  
    color:rgb(88, 199, 190)  
}
```

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(88, 199, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 199, 190) }
```

Border

The CSS property to change the border of an element to XYZ 33.7422, 46.6393, 55.9391 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(88, 199, 190) }
```


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

```
.border{ border-color:rgb(88, 199, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 199, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 199, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 199, 190);  
box-shadow:4px 4px 4px 4px rgb(88, 199,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7422, 46.6393, 55.9391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 199, 190) }
```

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

```
.background{ background-color: rgb(88, 199,  
190) }
```

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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