

Converting Colors

XYZ(30.8258, 39.7164, 52.5183)

Have a look what the booklet for
XYZ(30.8258, 39.7164, 52.5183)
contains.

XYZ(30.8464, 39.7104, 52.4935)	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(30.8464, 39.7104,
52.4935)**

Conversions

Conversions Part 1

Format	Color
Hex	64B6BA
RGB	100, 182, 186
RGB Percent	39%, 71%, 73%
CMY	0.6078, 0.2863, 0.2706
CMYK	0.46, 0.02, 0.00, 0.27
HSL	183°, 38%, 56%
HSV	183°, 46%, 73%
XYZ	30.8464, 39.7104, 52.4935
YIQ	157.9380, -50.1560, -16.1400

Conversions

Conversions Part 2

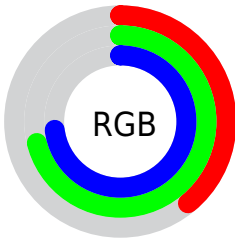
Format	Color
RYB	100, 142, 186
Decimal	6600378
CIELab	69.26, -23.91, -9.82
CIElCh	69, 25.845, 202.328
Yxy	39.7104, 0.2507, 0.3227
Android (android.graphics.Color)	4284790458 (0xFF64B6BA)
YUV	157.9380, 13.8346, -50.8116
Hunter-Lab	63.0162, -22.9026, -5.2782

Details

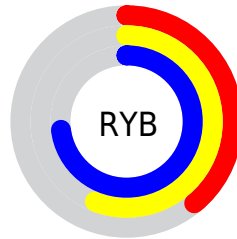
The XYZ color **30.8464, 39.7104, 52.4935** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.5009, 21.2604, 14.7117**, and the grayscale version is **32.4279, 34.1166, 37.1530**.

A 20% lighter version of the original color is **60.3118, 74.6278, 95.2302**, and **12.9983, 17.8654, 24.9536** is the 20% darker color. If you saturate the color by 10%, you get **28.8431, 38.4165, 52.3500**, and if you desaturate by 10%, it is **33.3228, 41.2517, 52.6612**.

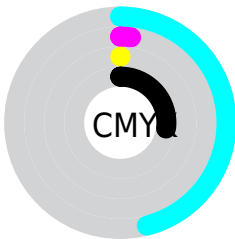
Distribution



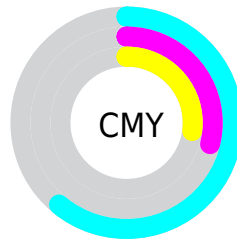
- Red (39%)
- Green (71%)
- Blue (73%)



- Red (39%)
- Yellow (56%)
- Blue (73%)



- Cyan (46%)
- Magenta (2%)
- Yellow (0%)
- Black (27%)



- Cyan (61%)
- Magenta (29%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8464, 39.7104, 52.4935 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 30.8464, 39.7104, 52.4935 by changing the saturation by 10% instead.

■ 30.8464, 39.7104,
52.4935

■ 30.8464, 39.7104,
52.4935

297.6696,
344.9014, 413.3499

■ 20.6332, 27.3128,
37.0136

■ 60.3757, 74.7223,
95.2926

■ 12.9671, 17.8083,
24.9222

■ 80.4224, 98.1054,
123.4490

■ 7.4827, 10.8124,
15.8006

■ 104.4777,
125.9192, 156.6679

■ 3.8148, 5.9409,
9.2303

■ 132.9068,
158.5480, 195.3679

■ 1.5979, 2.8092,
4.7929

166.0752,
196.3762, 239.9676

■ 0.3910, 1.0329,
2.0696

204.3483,

■ 0.0000, 0.0000,

239.7883, 290.8854

0.5976

248.0913,
289.1686, 348.5400

■ 0.0000, 0.0000,
0.0000

■ 30.8464, 39.7104,
52.4935

■ 30.8464, 39.7104,
52.4935

■ 28.8431, 38.4165,
52.3500

■ 33.3228, 41.2517,
52.6612

■ 27.2770, 37.3486,
52.2265

■ 36.2981, 43.0508,
52.8516

■ 26.1127, 36.4896,
52.1220

■ 39.8003, 45.1233,
53.0671

■ 25.3079, 35.8174,
52.0347

■ 43.8546, 47.4820,
53.3087

■ 24.8074, 35.3038,
51.9619

■ 48.4843, 50.1390,
53.5775

■ 24.6552, 35.1295,
51.9363

■ 53.7116, 53.1056,
53.8746

■ 59.5572, 56.3926,
54.2010

■ 66.0411, 60.0104,
54.5575

■ 68.4702, 61.5395,
54.7246

Harmonies

Analogous

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



30.3891, 39.7104, 40.2643



30.8464, 39.7104, 52.4935



33.0832, 39.7104, 63.9174

Triad

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



30.8464, 39.7104, 52.4935



44.4038, 39.7104, 58.7262



38.8166, 39.7104, 24.3460

Complementary

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



30.8464, 39.7104, 52.4935



27.5009, 21.2604, 14.7117

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.



42.8222, 39.7104, 27.5823



30.8464, 39.7104, 52.4935



46.1980, 39.7104, 46.3543

Square

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



30.8464, 39.7104, 52.4935



40.8503, 39.7104, 67.9501



45.5990, 39.7104, 35.1397



34.7984, 39.7104, 25.3872

Rectangle

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



30.8464, 39.7104, 52.4935



35.3775, 39.7104, 68.8103



45.5990, 39.7104, 35.1397



40.2128, 39.7104, 24.9454

Sweetspot

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



30.8476, 39.7119, 52.4944



73.5300, 82.6017, 96.2697



25.2568, 38.8046, 18.9567



15.8611, 17.9962, 21.1802



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



30.8476, 39.7119, 52.4944



52.3843, 69.7007, 94.8941



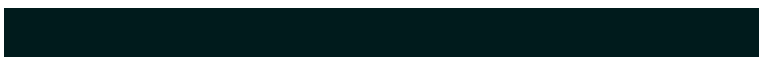
23.5170, 25.0507, 50.0509



9.2299, 10.1371, 11.5496



16.6026, 23.6649, 34.9458



0.5963, 0.8563, 1.2356

Inverse Universe

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



33.2514, 22.9318, 46.9314



57.3222, 35.9208, 83.3114



32.8092, 31.8769, 16.4811



9.3624, 9.1553, 11.2559



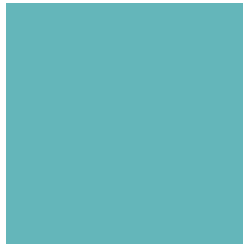
18.9939, 9.1713, 28.9184



0.6752, 0.3255, 1.0488

Previews

White Background



This preview shows how the XYZ color 30.8464, 39.7104, 52.4935 looks on a white background.

Color Contrast Check

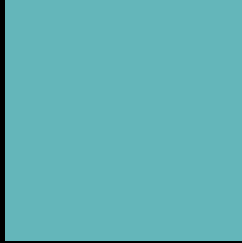
Large Text (above 18pt) WCAG AA × Fail

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 30.8464, 39.7104, 52.4935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

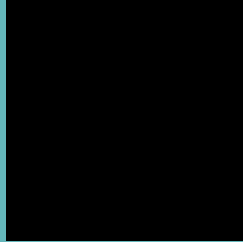
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.8464, 39.7104, 52.4935

Background



This preview shows how black text looks on a background with the XYZ color 30.8464, 39.7104, 52.4935.



This preview shows how white text looks on a background with the XYZ color 30.8464, 39.7104,

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

30.8464, 39.7104, 52.4935

Protanopia

38.1167, 39.2468, 47.1614

Deuteranopia

40.0253, 39.2673, 54.1850



Tritanopia

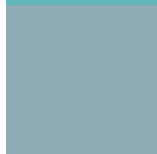
31.9677, 39.8714, 57.6408

Trichromacy



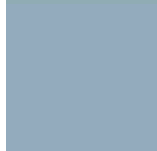
Original Color

30.8464, 39.7104, 52.4935



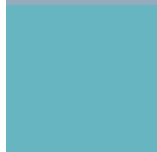
Protanomaly

34.4923, 38.7296, 48.8376



Deuteranomaly

35.7808, 39.0030, 53.7866



Tritanomaly

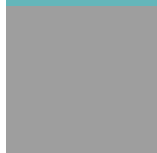
31.5178, 39.6783, 55.8667

Monochromacy



Original Color

30.8464, 39.7104, 52.4935



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

31.2031, 35.7830, 42.3080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8464, 39.7104, 52.4935 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(100, 182, 186)` looks like.

```
.text, #text, p{  
    color:rgb(100, 182, 186)  
}
```

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(100, 182, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 182, 186) }
```

Border

The CSS property to change the border of an element to XYZ 30.8464, 39.7104, 52.4935 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(100, 182, 186) }
```


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

```
.border{ border-color:rgb(100, 182, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 182, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 182, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 182, 186);  
box-shadow:4px 4px 4px 4px rgb(100, 182,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8464, 39.7104, 52.4935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 182, 186) }
```

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

```
.background{ background-color: rgb(100,  
182, 186) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor