

Converting Colors

XYZ(32.9707, 40.7494, 48.2679)

Have a look what the booklet for
XYZ(32.9707, 40.7494, 48.2679)
contains.

XYZ(33.0760, 40.9553, 48.2814)	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(33.0760, 40.9553,
48.2814)**

Conversions

Conversions Part 1

Format	Color
Hex	7CB6B2
RGB	124, 182, 178
RGB Percent	49%, 71%, 70%
CMY	0.5137, 0.2863, 0.3020
CMYK	0.32, 0.00, 0.02, 0.29
HSL	176°, 28%, 60%
HSV	176°, 32%, 71%
XYZ	33.0760, 40.9553, 48.2814
YIQ	164.2020, -33.2840, -13.5400

Conversions

Conversions Part 2

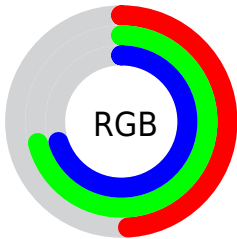
Format	Color
RYB	124, 154, 182
Decimal	8173234
CIELab	70.14, -19.62, -3.99
CIElCh	70, 20.023, 191.485
Yxy	40.9553, 0.2704, 0.3348
Android (android.graphics.Color)	4286363314 (0xFF7CB6B2)
YUV	164.2020, 6.8024, -35.2572
Hunter-Lab	63.9963, -19.7372, 0.0667

Details

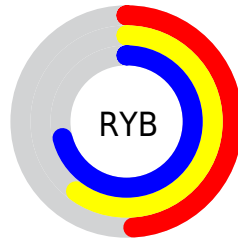
The XYZ color **33.0760, 40.9553, 48.2814** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.3967, 25.9200, 23.8246**, and the grayscale version is **35.3637, 37.2053, 40.5166**.

A 20% lighter version of the original color is **63.7859, 76.5546, 89.2565**, and **14.2244, 18.5589, 22.2346** is the 20% darker color. If you saturate the color by 10%, you get **30.5595, 39.6735, 47.5092**, and if you desaturate by 10%, it is **36.0815, 42.4911, 49.0842**.

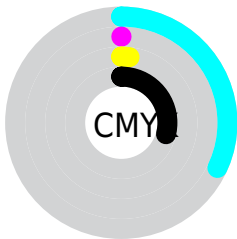
Distribution



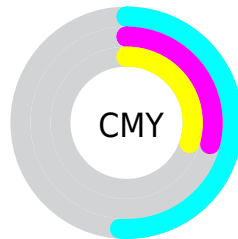
- Red (49%)
- Green (71%)
- Blue (70%)



- Red (49%)
- Yellow (60%)
- Blue (71%)



- Cyan (32%)
- Magenta (0%)
- Yellow (2%)
- Black (29%)



- Cyan (51%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0760, 40.9553, 48.2814 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 33.0760, 40.9553, 48.2814 by changing the saturation by 10% instead.

■ 33.0760, 40.9553,
48.2814

■ 33.0760, 40.9553,
48.2814

307.6510,
350.1338, 396.4473

■ 22.3442, 28.2842,
33.6882

■ 63.8480, 76.6160,
88.9931

■ 14.2280, 18.5400,
22.3788

■ 84.6190, 100.3744,
115.9488

■ 8.3622, 11.3384,
13.9345

■ 109.4670,
128.5973, 147.8623

■ 4.3813, 6.2949,
7.9369

138.7575,
161.6692, 185.1523

■ 1.9200, 3.0252,
3.9674

172.8558,
199.9744, 228.2372

■ 0.5884, 1.1449,
1.6075

212.1272,

■ 0.0000, 0.0160,

243.8972, 277.5357

0.2961

256.9372,
293.8222, 333.4662

■ 0.0000, 0.0000,
0.0000

■ 33.0760, 40.9553,
48.2814

■ 33.0760, 40.9553,
48.2814

■ 30.5595, 39.6735,
47.5092

■ 36.0815, 42.4911,
49.0842

■ 28.5016, 38.6270,
46.7637

■ 39.5972, 44.2887,
49.9161

■ 26.8743, 37.8023,
46.0443

■ 43.6471, 46.3616,
50.7790

■ 25.6447, 37.1826,
45.3495

■ 48.2530, 48.7210,
51.6740

■ 24.7756, 36.7485,
44.6775

■ 53.4353, 51.3774,
52.6021

■ 24.2223, 36.4771,
44.0262

■ 59.2134, 54.3408,
53.5642

■ 23.9320, 36.3386,
43.5084

■ 65.6057, 57.6207,
54.5611

■ 67.0509, 58.3502,
55.3327

■ 67.1869, 58.4046,
56.0491

Harmonies

Analogous

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



33.2556, 40.9553, 39.1079



33.0760, 40.9553, 48.2814



34.3973, 40.9553, 57.6385

Triad

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



33.0760, 40.9553, 48.2814



43.2490, 40.9553, 59.5142



40.9610, 40.9553, 29.5850

Complementary

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



33.0760, 40.9553, 48.2814



30.3967, 25.9200, 23.8246

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.



43.8374, 40.9553, 33.6819



33.0760, 40.9553, 48.2814



45.2086, 40.9553, 50.5692

Square

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



33.0760, 40.9553, 48.2814



40.1941, 40.9553, 64.7048



45.4298, 40.9553, 41.0981



37.6864, 40.9553, 29.1517

Rectangle

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



33.0760, 40.9553, 48.2814



35.9972, 40.9553, 62.3916



45.4298, 40.9553, 41.0981



42.0111, 40.9553, 30.5494

Sweetspot

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



33.0772, 40.9569, 48.2823



72.9643, 80.8944, 90.7555



29.3952, 39.5668, 25.1575



15.9005, 17.7571, 19.9974



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.0772, 40.9569, 48.2823



56.7804, 72.6271, 86.5768



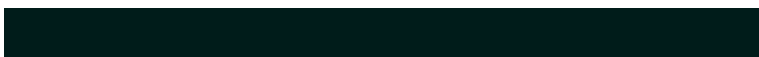
28.9553, 32.0607, 48.9200



9.2392, 10.1997, 11.4170



16.9098, 25.6649, 30.7769



0.6042, 0.9080, 1.1274

Inverse Universe

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



30.3967, 25.9200, 23.8246



51.1845, 41.2163, 35.5036



33.5470, 32.6338, 23.6004



9.0291, 9.0220, 9.5005



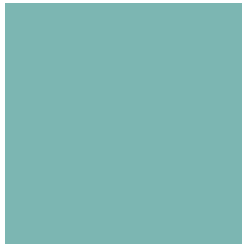
13.6822, 7.0467, 0.9476



0.4909, 0.2518, 0.0783

Previews

White Background



This preview shows how the XYZ color 33.0760, 40.9553, 48.2814 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 33.0760, 40.9553, 48.2814 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

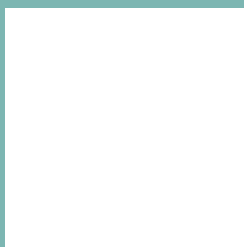
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0760, 40.9553, 48.2814

Background



This preview shows how black text looks on a background with the XYZ color 33.0760, 40.9553, 48.2814.

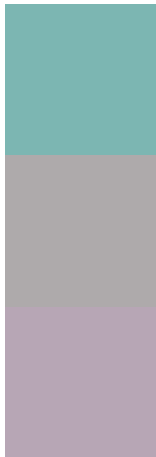


This preview shows how white text looks on a background with the XYZ color 33.0760, 40.9553,

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

33.0760, 40.9553, 48.2814

Protanopia

39.1810, 40.6884, 44.3167

Deuteranopia

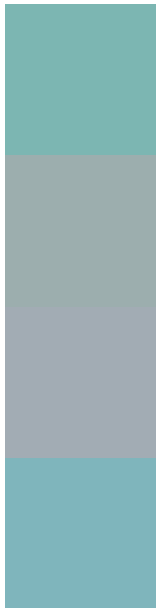
41.5051, 40.6759, 49.3797



Tritanopia

34.9609, 41.1268, 57.1346

Trichromacy



Original Color

33.0760, 40.9553, 48.2814

Protanomaly

36.4863, 40.3960, 45.9186

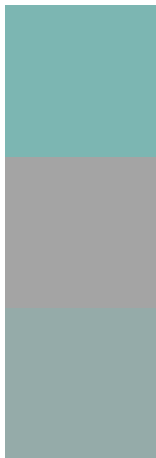
Deuteranomaly

37.8910, 40.4817, 48.9967

Tritanomaly

34.3534, 41.1906, 53.7169

Monochromacy



Original Color

33.0760, 40.9553, 48.2814

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.1188, 38.3800, 43.1459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0760, 40.9553, 48.2814 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(124, 182, 178)` looks like.

```
.text, #text, p{  
    color:rgb(124, 182, 178)  
}
```

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(124, 182, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 182, 178) }
```

Border

The CSS property to change the border of an element to XYZ 33.0760, 40.9553, 48.2814 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(124, 182, 178) }
```


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

```
.border{ border-color:rgb(124, 182, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 182, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 182, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 182, 178);  
box-shadow:4px 4px 4px 4px rgb(124, 182,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0760, 40.9553, 48.2814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 182, 178) }
```

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

```
.background{ background-color: rgb(124,  
182, 178) }
```

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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