

Converting Colors

XYZ(33.1984, 47.8086, 54.4183)

Have a look what the booklet for
XYZ(33.1984, 47.8086, 54.4183)
contains.

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Color

**XYZ(33.2272, 47.7956,
54.4879)**

Conversions

Conversions Part 1

Format	Color
Hex	4BCBBB
RGB	75, 203, 187
RGB Percent	29%, 80%, 73%
CMY	0.7059, 0.2039, 0.2667
CMYK	0.63, 0.00, 0.08, 0.20
HSL	172°, 55%, 55%
HSV	172°, 63%, 80%
XYZ	33.2272, 47.7956, 54.4879
YIQ	162.9040, -71.1520, -32.1120

Conversions

Conversions Part 2

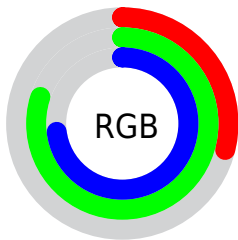
Format	Color
RYB	75, 143, 203
Decimal	4967355
CIELab	74.70, -38.70, -2.41
CIELCh	75, 38.779, 183.568
Yxy	47.7956, 0.2452, 0.3527
Android (android.graphics.Color)	4283157435 (0xFF4BCBBB)
YUV	162.9040, 11.8793, -77.0918
Hunter-Lab	69.1344, -35.1949, 1.6649

Details

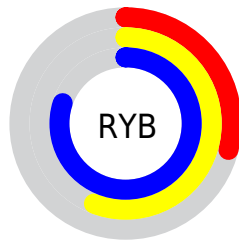
The XYZ color **33.2272, 47.7956, 54.4879** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **29.0346, 18.4853, 11.9369**, and the grayscale version is **34.7386, 36.5477, 39.8004**.

A 20% lighter version of the original color is **62.2542, 83.3094, 97.5932**, and **14.8930, 22.9010, 26.1897** is the 20% darker color. If you saturate the color by 10%, you get **31.6166, 46.9975, 53.0077**, and if you desaturate by 10%, it is **35.3518, 48.8603, 56.0194**.

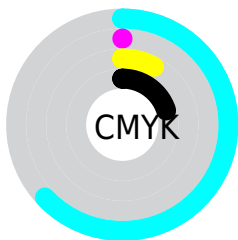
Distribution



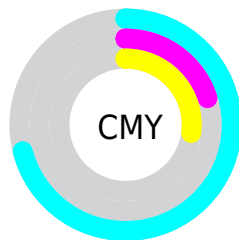
- Red (29%)
- Green (80%)
- Blue (73%)



- Red (29%)
- Yellow (56%)
- Blue (80%)



- Cyan (63%)
- Magenta (0%)
- Yellow (8%)
- Black (20%)



- Cyan (71%)
- Magenta (20%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2272, 47.7956, 54.4879 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 33.2272, 47.7956, 54.4879 by changing the saturation by 10% instead.

■ 33.2272, 47.7956,
54.4879

■ 33.2272, 47.7956,
54.4879

308.3192,
377.9814, 421.1949

■ 22.4606, 33.6650,
38.5960

■ 64.0824, 86.9000,
98.2539

■ 14.3142, 22.6364,
26.1402

■ 84.9017, 112.6426,
126.9650

■ 8.4227, 14.3253,
16.7019

■ 109.8027,
143.0247, 160.7864

■ 4.4207, 8.3472,
9.8624

■ 139.1506,
178.4307, 200.1365

■ 1.9428, 4.3179,
5.2034

173.3108,
219.2450, 245.4338

■ 0.6015, 1.8530,
2.3063

212.6488,

■ 0.0000, 0.5199,

265.8519, 297.0970

0.7347

257.5298,
318.6359, 355.5445

■ 0.0000, 0.0000,
0.0000

■ 33.2272, 47.7956,
54.4879

■ 33.2272, 47.7956,
54.4879

■ 31.6166, 46.9975,
53.0077

■ 35.3518, 48.8603,
56.0194

■ 30.4657, 46.4348,
51.5728

■ 38.0299, 50.2087,
57.6009

■ 29.7154, 46.0780,
50.1815

■ 41.3017, 51.8626,
59.2355

■ 29.3550, 45.9128,
49.2370

■ 45.2026, 53.8402,
60.9251

■ 49.7653, 56.1585,
62.6711

■ 55.0200, 58.8329,
64.4752

■ 60.9953, 61.8782,
66.3389

■ 67.7179, 65.3082,
68.2635

■ 74.2100, 68.6188,
70.2033

Harmonies

Analogous

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



34.3660, 47.7956, 36.6391



33.2272, 47.7956, 54.4879



35.0692, 47.7956, 76.5186

Triad

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



33.2272, 47.7956, 54.4879



53.3207, 47.7956, 91.4275



51.7158, 47.7956, 24.5004

Complementary

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



33.2272, 47.7956, 54.4879



29.0346, 18.4853, 11.9369

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.



57.6495, 47.7956, 33.4348



33.2272, 47.7956, 54.4879



58.6412, 47.7956, 71.2487

Square

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



33.2272, 47.7956, 54.4879



46.2747, 47.7956, 101.0374



60.3011, 47.7956, 49.6690



44.5922, 47.7956, 22.1741

Rectangle

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



33.2272, 47.7956, 54.4879



37.8634, 47.7956, 89.8205



60.3011, 47.7956, 49.6690



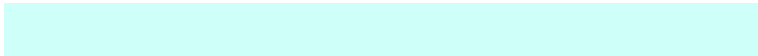
53.9392, 47.7956, 26.6927

Sweetspot

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



33.2286, 47.7974, 54.4890



78.4566, 91.5567, 103.1130



27.0477, 45.5005, 14.0145



16.3376, 19.3657, 21.8906



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.



33.2286, 47.7974, 54.4890



52.0884, 78.2751, 87.7957



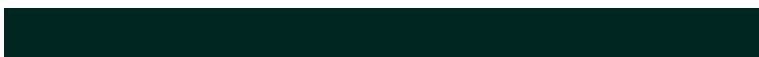
25.5823, 29.6087, 60.8687



11.4805, 12.7020, 14.0880



18.7038, 29.2268, 31.4551



0.9823, 1.5147, 1.7141

Inverse Universe

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



29.0346, 18.4853, 11.9369



44.5762, 25.2816, 11.2142



32.8516, 27.1089, 10.1586



11.2684, 11.2361, 11.9483



15.8063, 8.1331, 1.4328



0.8348, 0.4273, 0.1758

Previews

White Background



This preview shows how the XYZ color 33.2272, 47.7956, 54.4879 looks on a white background.

Color Contrast Check

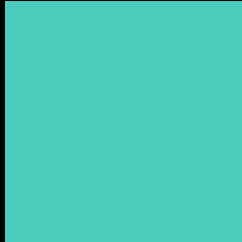
Large Text (above 18pt) WCAG AA × Fail

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 33.2272, 47.7956, 54.4879 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

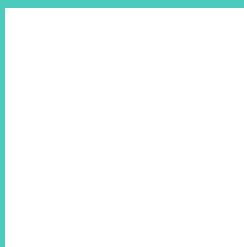
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2272, 47.7956, 54.4879

Background



This preview shows how black text looks on a background with the XYZ color 33.2272, 47.7956, 54.4879.

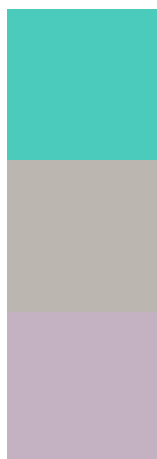


This preview shows how white text looks on a background with the XYZ color 33.2272, 47.7956,

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

33.2272, 47.7956, 54.4879

Protanopia

44.9593, 47.1158, 47.2821

Deuteranopia

48.1127, 47.0303, 56.9940



Tritanopia

36.6196, 47.7794, 71.5823

Trichromacy



Original Color

33.2272, 47.7956, 54.4879



Protanomaly

38.4042, 46.1926, 49.5398



Deuteranomaly

39.9118, 45.5548, 55.9796



Tritanomaly

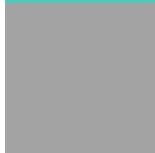
35.2410, 47.5553, 65.0793

Monochromacy



Original Color

33.2272, 47.7956, 54.4879



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.7269, 39.6446, 44.9570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2272, 47.7956, 54.4879 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(75, 203, 187)` looks like.

```
.text, #text, p{  
    color:rgb(75, 203, 187)  
}
```

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(75, 203, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 203, 187) }
```

Border

The CSS property to change the border of an element to XYZ 33.2272, 47.7956, 54.4879 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(75, 203, 187) }
```


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

```
.border{ border-color:rgb(75, 203, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 203, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 203, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 203, 187);  
box-shadow:4px 4px 4px 4px rgb(75, 203,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2272, 47.7956, 54.4879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 203, 187) }
```

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

```
.background{ background-color: rgb(75, 203,  
187) }
```

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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