

Converting Colors

XYZ(29.7922, 44.6568, 51.6289)

Have a look what the booklet for
XYZ(29.7922, 44.6568, 51.6289)
contains.

XYZ(29.8457, 44.7169, 51.8579)	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(29.8457, 44.7169,
51.8579)**

Conversions

Conversions Part 1

Format	Color
Hex	28C7B7
RGB	40, 199, 183
RGB Percent	16%, 78%, 72%
CMY	0.8431, 0.2196, 0.2823
CMYK	0.80, 0.00, 0.08, 0.22
HSL	174°, 67%, 47%
HSV	174°, 80%, 78%
XYZ	29.8457, 44.7169, 51.8579
YIQ	149.6350, -89.6280, -38.6840

Conversions

Conversions Part 2

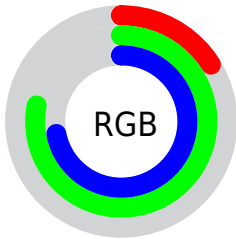
Format	Color
RYB	40, 124, 199
Decimal	2672567
CIELab	72.71, -42.50, -3.25
CIELCh	73, 42.626, 184.371
Yxy	44.7169, 0.2361, 0.3537
Android (android.graphics.Color)	4280862647 (0xFF28C7B7)
YUV	149.6350, 16.4489, -96.1499
Hunter-Lab	66.8707, -37.3557, 0.8304

Details

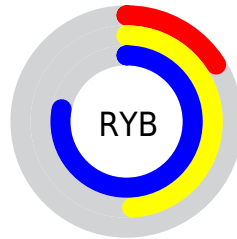
The XYZ color **29.8457, 44.7169, 51.8579** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **25.0273, 13.9464, 5.1157**, and the grayscale version is **28.7964, 30.2961, 32.9924**.

A 20% lighter version of the original color is **58.4102, 81.3968, 94.2940**, and **14.0025, 21.5582, 24.5422** is the 20% darker color. If you saturate the color by 10%, you get **29.0552, 44.3343, 50.7413**, and if you desaturate by 10%, it is **31.0396, 45.3092, 53.0109**.

Distribution



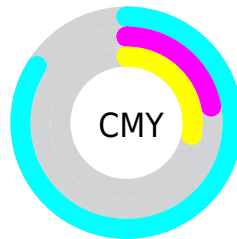
- Red (16%)
- Green (78%)
- Blue (72%)



- Red (16%)
- Yellow (49%)
- Blue (78%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (22%)



- Cyan (84%)
- Magenta (22%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8457, 44.7169, 51.8579 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 29.8457, 44.7169, 51.8579 by changing the saturation by 10% instead.

■ 29.8457, 44.7169,
51.8579

■ 29.8457, 44.7169,
51.8579

293.1073,
365.6258, 410.8291

■ 19.8690, 31.2345,
36.5104

■ 58.8064, 82.2954,
94.3461

■ 12.4076, 20.7775,
24.5358

■ 78.5211, 107.1603,
122.3238

■ 7.0960, 12.9614,
15.5157

■ 102.2124,
136.5882, 155.3487

■ 3.5691, 7.4020,
9.0315

■ 130.2459,
170.9634, 193.8392

■ 1.4614, 3.7148,
4.6646

■ 162.9867,
210.6704, 238.2140

■ 0.2993, 1.5153,
1.9966

200.8004,

■ 0.0000, 0.2995,

256.0935, 288.8916

0.5532

244.0521,
307.6172, 346.2904

■ 0.0000, 0.0000,
0.0000

■ 29.8457, 44.7169,
51.8579

■ 29.8457, 44.7169,
51.8579

■ 29.0552, 44.3343,
50.7413

■ 31.0396, 45.3092,
53.0109

■ 28.5630, 44.1042,
49.6531

■ 32.6868, 46.1337,
54.1996

■ 28.5583, 44.1020,
49.6417

■ 34.8341, 47.2157,
55.4274

■ 37.5214, 48.5758,
56.6961

■ 40.7846, 50.2324,
58.0075

■ 44.6564, 52.2024,
59.3632

■ 49.1672, 54.5014,
60.7646

■ 54.3453, 57.1441,
62.2132

■ 60.2173, 60.1442,
63.7103

Harmonies

Analogous

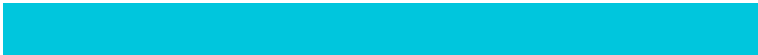
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.9309, 44.7169, 33.1175



29.8457, 44.7169, 51.8579



31.8156, 44.7169, 75.4777

Triad

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



29.8457, 44.7169, 51.8579



51.0426, 44.7169, 90.6144



48.9519, 44.7169, 20.4352

Complementary

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



29.8457, 44.7169, 51.8579



25.0273, 13.9464, 5.1157

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.



55.3478, 44.7169, 29.1329



29.8457, 44.7169, 51.8579



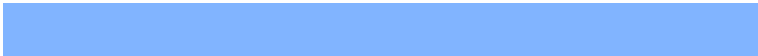
56.6497, 44.7169, 68.5064

Square

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



29.8457, 44.7169, 51.8579



43.5946, 44.7169, 101.6063



58.3095, 44.7169, 45.6521



41.4280, 44.7169, 18.3327

Rectangle

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



29.8457, 44.7169, 51.8579



34.7475, 44.7169, 89.8404



58.3095, 44.7169, 45.6521



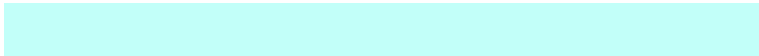
51.3322, 44.7169, 22.5296

Sweetspot

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



29.8470, 44.7186, 51.8590



75.0309, 89.7925, 102.8693



22.5849, 41.9180, 8.9090



15.5459, 18.9579, 21.8354



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.



29.8470, 44.7186, 51.8590



50.2215, 77.3194, 87.4071



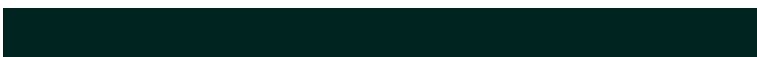
20.2811, 22.7679, 57.3605



10.8989, 12.0485, 13.4179



18.3815, 28.3650, 32.0174



0.8840, 1.3485, 1.5878

Inverse Universe

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



25.0273, 13.9464, 5.1157



41.6517, 21.6018, 3.5518



28.5867, 21.5949, 4.6699



10.6765, 10.6540, 11.2799



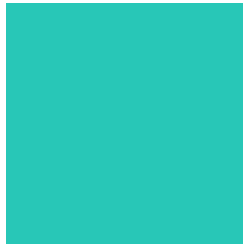
15.2420, 7.8464, 1.2182



0.7368, 0.3776, 0.1372

Previews

White Background



This preview shows how the XYZ color 29.8457, 44.7169, 51.8579 looks on a white background.

Color Contrast Check

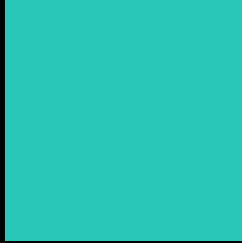
Large Text (above 18pt) WCAG AA × Fail

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 29.8457, 44.7169, 51.8579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

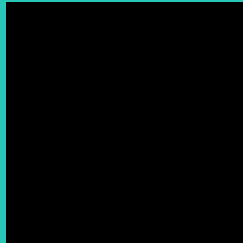
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

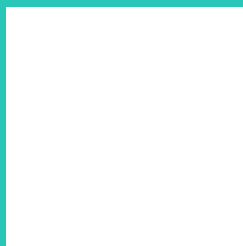
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8457, 44.7169, 51.8579

Background



This preview shows how black text looks on a background with the XYZ color 29.8457, 44.7169, 51.8579.

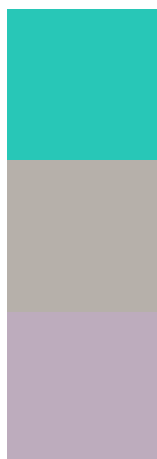


This preview shows how white text looks on a background with the XYZ color 29.8457, 44.7169,

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

29.8457, 44.7169, 51.8579

Protanopia

42.0724, 43.8980, 44.2859

Deuteranopia

44.9241, 43.9980, 54.2688



Tritanopia

33.1974, 44.7255, 68.5112

Trichromacy



Original Color

29.8457, 44.7169, 51.8579



Protanomaly

34.0843, 42.1220, 46.8914



Deuteranomaly

35.6893, 42.1946, 53.2771



Tritanomaly

31.7507, 44.4538, 62.1653

Monochromacy



Original Color

29.8457, 44.7169, 51.8579



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.9546, 33.9289, 39.3107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8457, 44.7169, 51.8579 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(40, 199, 183)` looks like.

```
.text, #text, p{  
    color:rgb(40, 199, 183)  
}
```

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(40, 199, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 199, 183) }
```

Border

The CSS property to change the border of an element to XYZ 29.8457, 44.7169, 51.8579 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(40, 199, 183) }
```


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

```
.border{ border-color:rgb(40, 199, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 199, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 199, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 199, 183);  
box-shadow:4px 4px 4px 4px rgb(40, 199,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8457, 44.7169, 51.8579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 199, 183) }
```

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

```
.background{ background-color: rgb(40, 199,  
183) }
```

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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