

Converting Colors

XYZ(28.0806, 47.8050, 32.8994)

Have a look what the booklet for
XYZ(28.0806, 47.8050, 32.8994)
contains.

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Color

**XYZ(28.0602, 47.7570,
32.9384)**

Conversions

Conversions Part 1

Format	Color
Hex	1BD18D
RGB	27, 209, 141
RGB Percent	11%, 82%, 55%
CMY	0.8941, 0.1804, 0.4471
CMYK	0.87, 0.00, 0.33, 0.18
HSL	158°, 77%, 46%
HSV	158°, 87%, 82%
XYZ	28.0602, 47.7570, 32.9384
YIQ	146.8300, -86.6440, -59.7320

Conversions

Conversions Part 2

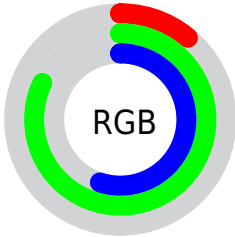
Format	Color
RYB	27, 139, 209
Decimal	1823117
CIELab	74.67, -57.89, 22.07
CIELCh	75, 61.958, 159.132
Yxy	47.7570, 0.2580, 0.4391
Android (android.graphics.Color)	4280013197 (0xFF1BD18D)
YUV	146.8300, -2.8742, -105.0909
Hunter-Lab	69.1064, -48.4576, 20.1149

Details

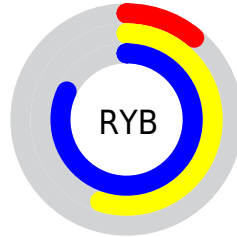
The XYZ color **28.0602, 47.7570, 32.9384** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **28.7538, 15.1666, 12.2414**, and the grayscale version is **27.7021, 29.1447, 31.7386**.

A 20% lighter version of the original color is **51.9170, 78.7113, 64.0863**, and **13.2367, 23.5207, 13.5152** is the 20% darker color. If you saturate the color by 10%, you get **27.1247, 47.3408, 29.9682**, and if you desaturate by 10%, it is **29.4258, 48.3927, 36.1447**.

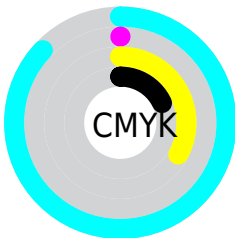
Distribution



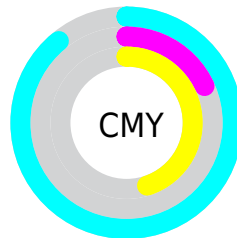
- Red (11%)
- Green (82%)
- Blue (55%)



- Red (11%)
- Yellow (55%)
- Blue (82%)



- Cyan (87%)
- Magenta (0%)
- Yellow (33%)
- Black (18%)





- Cyan (89%)
- Magenta (18%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0602, 47.7570, 32.9384 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 28.0602, 47.7570, 32.9384 by changing the saturation by 10% instead.

 28.0602, 47.7570,
32.9384


 28.0602, 47.7570,
32.9384


284.8293,
377.8281, 329.9956


 18.5117, 33.6345,
21.8085

 55.9885, 86.8425,
65.3942


 11.4199, 22.6129,
13.5193


 75.0991, 112.5743,
87.5573


 6.4194, 14.3080,
7.6522


 98.1277, 142.9446,
114.2352

 3.1448, 8.3352,
3.7886

 125.4397,
178.3378, 145.8464

 1.2308, 4.3102,
1.5101

 157.4006,
219.1384, 182.8095

 0.1305, 1.8485,
0.2255

194.3755,

 0.0000, 0.5172,

265.7307, 225.5430

0.0000

236.7300,
318.4992, 274.4655

■ 0.0000, 0.0000,
0.0000

■ 28.0602, 47.7570,
32.9384

■ 28.0602, 47.7570,
32.9384

■ 27.1247, 47.3408,
29.9682

■ 29.4258, 48.3927,
36.1447

■ 26.8919, 47.2388,
29.1412

■ 31.2957, 49.2823,
39.5918

■ 33.7296, 50.4578,
43.2876

■ 36.7776, 51.9448,
47.2385

■ 40.4843, 53.7662,
51.4504

■ 44.8895, 55.9427,
55.9291

■ 50.0304, 58.4930,
60.6800

■ 55.9409, 61.4348,
65.7083

■ 62.6531, 64.7845,
71.0192

Harmonies

Analogous

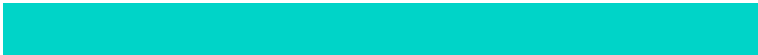
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.0849, 47.7570, 17.2736



28.0602, 47.7570, 32.9384



27.2392, 47.7570, 62.4417

Triad

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



28.0602, 47.7570, 32.9384



48.9047, 47.7570, 140.0447



64.2811, 47.7570, 21.9260

Complementary

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



28.0602, 47.7570, 32.9384



28.7538, 15.1666, 12.2414

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.



70.2164, 47.7570, 42.7912



28.0602, 47.7570, 32.9384



60.4246, 47.7570, 116.2130

Square

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



28.0602, 47.7570, 32.9384



38.1276, 47.7570, 133.8059



68.6993, 47.7570, 77.2788



53.5241, 47.7570, 12.9817

Rectangle

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



28.0602, 47.7570, 32.9384



29.0251, 47.7570, 88.2785



68.6993, 47.7570, 77.2788



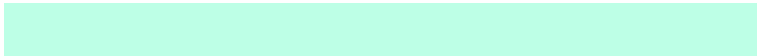
66.9807, 47.7570, 27.3345

Sweetspot

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



28.0615, 47.7589, 32.9395



70.9868, 88.0264, 88.2796



27.9051, 48.2108, 8.8725



14.6418, 18.5679, 18.3559



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.



28.0615, 47.7589, 32.9395



42.0806, 74.0483, 45.2040



29.8957, 40.7054, 66.6051



11.9632, 13.3290, 14.1628



16.6293, 29.1446, 18.2257



0.9676, 1.6447, 1.2179

Inverse Universe

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



28.7538, 15.1666, 12.2414



43.3183, 22.0913, 12.8744



27.5604, 15.7689, 2.6287



11.9888, 11.8803, 13.2169



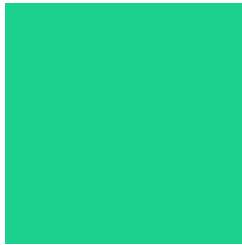
17.1064, 8.7154, 5.4665



0.9945, 0.5025, 0.5057

Previews

White Background



This preview shows how the XYZ color 28.0602, 47.7570, 32.9384 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 28.0602, 47.7570, 32.9384 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

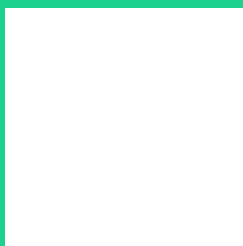
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.0602, 47.7570, 32.9384

Background



This preview shows how black text looks on a background with the XYZ color 28.0602, 47.7570, 32.9384.

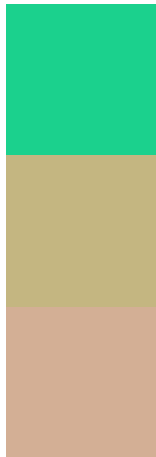


This preview shows how white text looks on a background with the XYZ color 28.0602, 47.7570,

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

28.0602, 47.7570, 32.9384

Protanopia

43.4553, 46.7766, 27.5073

Deuteranopia

47.6188, 46.6788, 34.9339



Tritanopia

36.0294, 47.8029, 72.2937

Trichromacy



Original Color

28.0602, 47.7570, 32.9384



Protanomaly

33.0749, 44.5436, 29.0448



Deuteranomaly

34.4602, 43.5453, 33.7830



Tritanomaly

32.2862, 47.2855, 55.5695

Monochromacy



Original Color

28.0602, 47.7570, 32.9384



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

25.0791, 33.6773, 31.9666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0602, 47.7570, 32.9384 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(27, 209, 141)` looks like.

```
.text, #text, p{  
    color:rgb(27, 209, 141)  
}
```

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(27, 209, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 209, 141) }
```

Border

The CSS property to change the border of an element to XYZ 28.0602, 47.7570, 32.9384 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(27, 209, 141) }
```


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

```
.border{ border-color:rgb(27, 209, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 209, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 209, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 209, 141);  
box-shadow:4px 4px 4px 4px rgb(27, 209,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0602, 47.7570, 32.9384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 209, 141) }
```

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

```
.background{ background-color: rgb(27, 209,  
141) }
```

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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