

Converting Colors

XYZ(28.8182, 50.5736, 29.9329)

Have a look what the booklet for
XYZ(28.8182, 50.5736, 29.9329)
contains.

XYZ(28.7538, 50.4155, 30.0455)	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(28.7538, 50.4155,
30.0455)**

Conversions

Conversions Part 1

Format	Color
Hex	14D784
RGB	20, 215, 132
RGB Percent	8%, 84%, 52%
CMY	0.9215, 0.1568, 0.4823
CMYK	0.91, 0.00, 0.39, 0.16
HSL	154°, 83%, 46%
HSV	154°, 91%, 84%
XYZ	28.7538, 50.4155, 30.0455
YIQ	147.2330, -89.5770, -67.1530

Conversions

Conversions Part 2

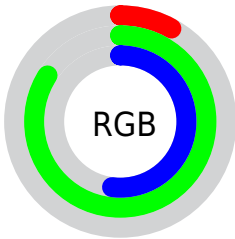
Format	Color
RYB	20, 144, 215
Decimal	1365892
CIELab	76.32, -62.29, 28.97
CIELCh	76, 68.702, 155.059
Yxy	50.4155, 0.2633, 0.4616
Android (android.graphics.Color)	4279555972 (0xFF14D784)
YUV	147.2330, -7.5099, -111.5833
Hunter-Lab	71.0039, -51.9712, 24.6140

Details

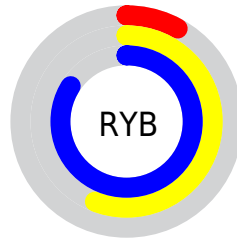
The XYZ color **28.7538, 50.4155, 30.0455** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **30.7246, 15.9279, 14.2906**, and the grayscale version is **27.8885, 29.3409, 31.9523**.

A 20% lighter version of the original color is **50.8073, 78.2533, 58.8810**, and **13.8833, 25.3904, 11.9537** is the 20% darker color. If you saturate the color by 10%, you get **27.9068, 50.0449, 27.0868**, and if you desaturate by 10%, it is **30.0556, 51.0124, 33.5219**.

Distribution



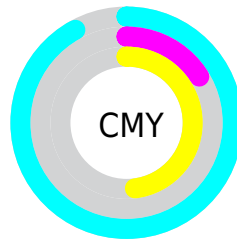
- Red (8%)
- Green (84%)
- Blue (52%)



- Red (8%)
- Yellow (56%)
- Blue (84%)



- Cyan (91%)
- Magenta (0%)
- Yellow (39%)
- Black (16%)



- Cyan (92%)
- Magenta (16%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7538, 50.4155, 30.0455 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 28.7538, 50.4155, 30.0455 by changing the saturation by 10% instead.


 28.7538, 50.4155,
30.0455


 28.7538, 50.4155,
30.0455


288.0667,
388.2886, 316.3304


 19.0380, 35.7437,
19.6208


 57.0860, 90.7902,
60.7960


 11.8019, 24.2363,
11.9384


 76.4330, 117.2618,
81.9588

 6.6802, 15.5090,
6.5797


 99.7212, 148.4355,
107.5381

 3.3074, 9.1774,
3.1262

 127.3159,
184.6957, 137.9524

 1.3184, 4.8571,
1.1594

 159.5825,
226.4266, 173.6203

 0.1969, 2.1636,
0.0000

196.8862,

 0.0000, 0.7001,

274.0129, 214.9602

0.0000

239.5925,
327.8387, 262.3907

■ 0.0000, 0.0000,
0.0000

■ 28.7538, 50.4155,
30.0455

■ 28.7538, 50.4155,
30.0455

■ 27.9068, 50.0449,
27.0868

■ 30.0556, 51.0124,
33.5219

■ 31.8818, 51.8717,
37.3156

■ 34.3015, 53.0304,
41.4378

■ 37.3718, 54.5176,
45.8979

■ 41.1426, 56.3591,
50.7044

■ 45.6589, 58.5778,
55.8658

■ 50.9619, 61.1948,
61.3899

■ 57.0893, 64.2295,
67.2845

■ 64.0767, 67.7000,
73.5567

Harmonies

Analogous

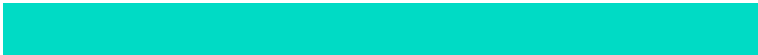
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.0296, 50.4155, 14.8472



28.7538, 50.4155, 30.0455



27.2046, 50.4155, 61.4026

Triad

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



28.7538, 50.4155, 30.0455



50.1402, 50.4155, 160.4947



71.2397, 50.4155, 23.3517

Complementary

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



28.7538, 50.4155, 30.0455



30.7246, 15.9279, 14.2906

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.



77.1348, 50.4155, 48.8622



28.7538, 50.4155, 30.0455



63.6347, 50.4155, 136.0509

Square

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



28.7538, 50.4155, 30.0455



38.1963, 50.4155, 147.8545



74.1285, 50.4155, 90.6525



59.1644, 50.4155, 12.3773

Rectangle

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



28.7538, 50.4155, 30.0455



28.7691, 50.4155, 90.8368



74.1285, 50.4155, 90.6525



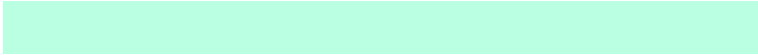
74.0998, 50.4155, 29.9574

Sweetspot

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



28.7551, 50.4175, 30.0467



69.7315, 87.4520, 84.9354



30.1959, 51.6268, 9.0359



14.3783, 18.4487, 17.5929



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.



28.7551, 50.4175, 30.0467



40.9838, 73.6095, 39.4280



33.6764, 47.2983, 71.6469



12.5583, 14.0143, 14.7547



16.7451, 29.9534, 16.4852



1.0510, 1.8231, 1.2104

Inverse Universe

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



30.7246, 15.9279, 14.2906



43.9759, 22.3544, 16.3370



28.6959, 15.5865, 2.1585



12.6404, 12.5077, 14.0468



17.9554, 9.1185, 7.0693



1.1239, 0.5664, 0.6420

Previews

White Background



This preview shows how the XYZ color 28.7538, 50.4155, 30.0455 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 28.7538, 50.4155, 30.0455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

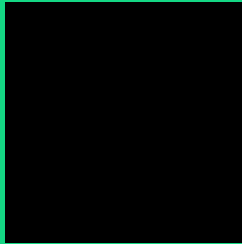
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.7538, 50.4155, 30.0455

Background



This preview shows how black text looks on a background with the XYZ color 28.7538, 50.4155, 30.0455.



This preview shows how white text looks on a background with the XYZ color 28.7538, 50.4155,

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

28.7538, 50.4155, 30.0455

Protanopia

45.7891, 49.5932, 24.9284

Deuteranopia

50.3689, 49.3493, 31.6816



Tritanopia

37.8685, 50.0685, 76.0749

Trichromacy



Original Color

28.7538, 50.4155, 30.0455



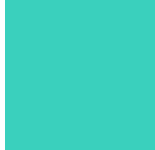
Protanomaly

33.7577, 46.6220, 26.2885



Deuteranomaly

35.3976, 45.7085, 30.6239



Tritanomaly

33.4861, 49.6854, 55.9695

Monochromacy



Original Color

28.7538, 50.4155, 30.0455



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

25.0018, 34.2247, 30.8795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7538, 50.4155, 30.0455 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(20, 215, 132)` looks like.

```
.text, #text, p{  
    color:rgb(20, 215, 132)  
}
```

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(20, 215, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 215, 132) }
```

Border

The CSS property to change the border of an element to XYZ 28.7538, 50.4155, 30.0455 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(20, 215, 132) }
```


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

```
.border{ border-color:rgb(20, 215, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 215, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 215, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 215, 132);  
box-shadow:4px 4px 4px 4px rgb(20, 215,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7538, 50.4155, 30.0455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 215, 132) }
```

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

```
.background{ background-color: rgb(20, 215,  
132) }
```

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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