

Converting Colors

XYZ(27.8110, 48.7400, 26.9508)

Have a look what the booklet for
XYZ(27.8110, 48.7400, 26.9508)
contains.

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Color

**XYZ(27.9091, 48.9173,
27.0398)**

Conversions

Conversions Part 1

Format	Color
Hex	24D47C
RGB	36, 212, 124
RGB Percent	14%, 83%, 49%
CMY	0.8588, 0.1686, 0.5137
CMYK	0.83, 0.00, 0.42, 0.17
HSL	150°, 71%, 49%
HSV	150°, 83%, 83%
XYZ	27.9091, 48.9173, 27.0398
YIQ	149.3440, -76.6480, -64.6800

Conversions

Conversions Part 2

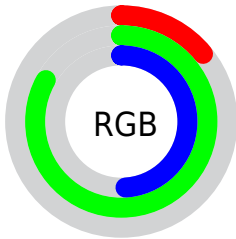
Format	Color
RYB	36, 153, 212
Decimal	2413692
CIELab	75.40, -61.63, 31.87
CIELCh	75, 69.387, 152.654
Yxy	48.9173, 0.2687, 0.4710
Android (android.graphics.Color)	4280603772 (0xFF24D47C)
YUV	149.3440, -12.4946, -99.4027
Hunter-Lab	69.9409, -51.1682, 26.0366

Details

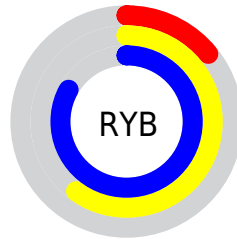
The XYZ color **27.9091, 48.9173, 27.0398** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **31.4219, 16.7149, 20.6406**, and the grayscale version is **28.7874, 30.2866, 32.9821**.

A 20% lighter version of the original color is **50.5059, 78.2050, 54.0281**, and **13.1245, 24.2713, 10.4717** is the 20% darker color. If you saturate the color by 10%, you get **26.7416, 48.3901, 23.6725**, and if you desaturate by 10%, it is **29.5887, 49.7028, 30.8094**.

Distribution



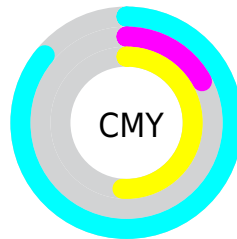
- Red (14%)
- Green (83%)
- Blue (49%)



- Red (14%)
- Yellow (60%)
- Blue (83%)



- Cyan (83%)
- Magenta (0%)
- Yellow (42%)
- Black (17%)





- Cyan (86%)
- Magenta (17%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.9091, 48.9173, 27.0398 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 27.9091, 48.9173, 27.0398 by changing the saturation by 10% instead.


 27.9091, 48.9173,
27.0398


 27.9091, 48.9173,
27.0398


284.1203,
382.4167, 301.6160


 18.3973, 34.5539,
17.3704


 55.7489, 88.5686,
55.9522

 11.3370, 23.3194,
10.3342


 74.8076, 114.6253,
76.0324


 6.3629, 14.8295,
5.5126


 97.7794, 145.3485,
100.4198

 3.1097, 8.6998,
2.4871

 125.0294,
181.1227, 129.5332

 1.2121, 4.5459,
0.8333

 156.9232,
222.3322, 163.7909

 0.1159, 1.9834,
0.0000

193.8260,

 0.0000, 0.5978,

269.3614, 203.6116

0.0000

236.1032,
322.5948, 249.4138

■ 0.0000, 0.0000,
0.0000

■ 27.9091, 48.9173,
27.0398

■ 27.9091, 48.9173,
27.0398

■ 26.7416, 48.3901,
23.6725

■ 29.5887, 49.7028,
30.8094


■ 26.1460, 48.1295,
21.5476


■ 31.8461, 50.7763,
34.9926


■ 34.7405, 52.1693,
39.6040

■ 38.3224, 53.9077,
44.6563

■ 42.6369, 56.0146,
50.1618

 47.7254, 58.5109,
56.1321

 53.6258, 61.4161,
62.5782

 60.3735, 64.7482,
69.5109

 68.0018, 68.5242,
76.9405

Harmonies

Analogous

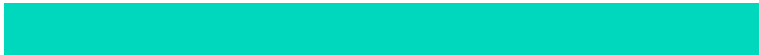
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.4590, 48.9173, 13.2728



27.9091, 48.9173, 27.0398



26.0187, 48.9173, 56.5873

Triad

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



27.9091, 48.9173, 27.0398



47.6413, 48.9173, 158.9876



70.3966, 48.9173, 23.6055

Complementary

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



27.9091, 48.9173, 27.0398



31.4219, 16.7149, 20.6406

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.



75.6051, 48.9173, 50.0708



27.9091, 48.9173, 27.0398



61.0491, 48.9173, 137.1720

Square

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



27.9091, 48.9173, 27.0398



36.0979, 48.9173, 143.3845



71.9072, 48.9173, 92.5593



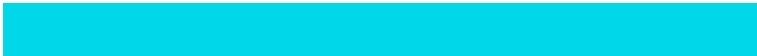
58.7169, 48.9173, 12.0240

Rectangle

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



27.9091, 48.9173, 27.0398



27.3086, 48.9173, 85.2169



71.9072, 48.9173, 92.5593



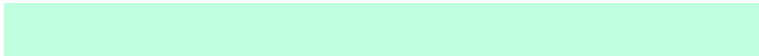
73.0499, 48.9173, 30.4998

Sweetspot

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



27.9103, 48.9193, 27.0409



70.6449, 87.9632, 83.1553



32.6059, 51.7234, 9.9345



14.5247, 18.5352, 17.1043



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.



27.9103, 48.9193, 27.0409



39.6233, 73.0653, 32.2640



35.7894, 52.0709, 68.5317



12.5188, 13.9985, 14.5463



16.1912, 29.7318, 13.5683



1.0184, 1.8100, 1.0384

Inverse Universe

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



31.4219, 16.7149, 20.6406



45.1036, 22.8054, 22.2753



28.1486, 15.4056, 3.4040



12.6796, 12.5233, 14.2531



18.4186, 9.3038, 9.5084



1.1527, 0.5779, 0.7935

Previews

White Background



This preview shows how the XYZ color 27.9091, 48.9173, 27.0398 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 27.9091, 48.9173, 27.0398 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 27.9091, 48.9173, 27.0398

Background



This preview shows how black text looks on a background with the XYZ color 27.9091, 48.9173, 27.0398.

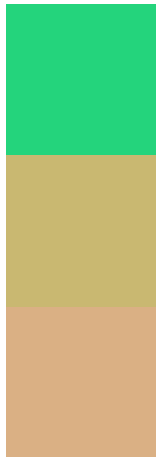


This preview shows how white text looks on a background with the XYZ color 27.9091, 48.9173,

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

27.9091, 48.9173, 27.0398

Protanopia

44.2085, 47.8907, 22.5366

Deuteranopia

48.6036, 47.6220, 28.4601



Tritanopia

37.0672, 48.6679, 73.0858

Trichromacy



Original Color

27.9091, 48.9173, 27.0398



Protanomaly

33.4872, 45.5306, 23.8530



Deuteranomaly

35.1089, 44.6556, 27.5378



Tritanomaly

32.6933, 48.2748, 52.3946

Monochromacy



Original Color

27.9091, 48.9173, 27.0398



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

25.6705, 34.5866, 30.1339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9091, 48.9173, 27.0398 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(36, 212, 124)` looks like.

```
.text, #text, p{  
    color:rgb(36, 212, 124)  
}
```

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(36, 212, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 212, 124) }
```

Border

The CSS property to change the border of an element to XYZ 27.9091, 48.9173, 27.0398 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(36, 212, 124) }
```


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

```
.border{ border-color:rgb(36, 212, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 212, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 212, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 212, 124);  
box-shadow:4px 4px 4px 4px rgb(36, 212,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9091, 48.9173, 27.0398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 212, 124) }
```

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

```
.background{ background-color: rgb(36, 212,  
124) }
```

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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