

Converting Colors

XYZ(27.7600, 49.7424, 24.4188)

Have a look what the booklet for
XYZ(27.7600, 49.7424, 24.4188)
contains.

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Color

**XYZ(27.6765, 49.6070,
24.3361)**

Conversions

Conversions Part 1

Format	Color
Hex	1ED673
RGB	30, 214, 115
RGB Percent	12%, 84%, 45%
CMY	0.8823, 0.1608, 0.5490
CMYK	0.86, 0.00, 0.46, 0.16
HSL	148°, 75%, 48%
HSV	148°, 86%, 84%
XYZ	27.6765, 49.6070, 24.3361
YIQ	147.6980, -77.8850, -69.7970

Conversions

Conversions Part 2

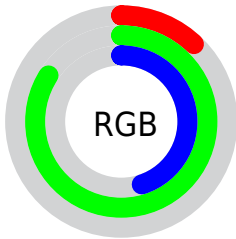
Format	Color
RYB	30, 156, 214
Decimal	2020979
CIELab	75.83, -64.40, 36.95
CIELCh	76, 74.248, 150.156
Yxy	49.6070, 0.2724, 0.4882
Android (android.graphics.Color)	4280211059 (0xFF1ED673)
YUV	147.6980, -16.1201, -103.2211
Hunter-Lab	70.4322, -53.1145, 28.8164

Details

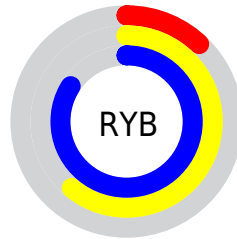
The XYZ color **27.6765, 49.6070, 24.3361** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **32.1598, 16.8106, 22.3205**, and the grayscale version is **28.1120, 29.5760, 32.2083**.

A 20% lighter version of the original color is **49.5100, 77.7919, 49.4517**, and **13.1810, 24.8354, 9.1000** is the 20% darker color. If you saturate the color by 10%, you get **26.6280, 49.1397, 21.0423**, and if you desaturate by 10%, it is **29.2326, 50.3292, 28.0879**.

Distribution



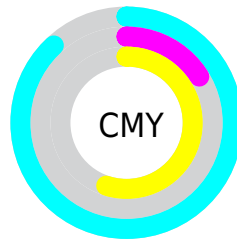
- Red (12%)
- Green (84%)
- Blue (45%)



- Red (12%)
- Yellow (61%)
- Blue (84%)



- Cyan (86%)
- Magenta (0%)
- Yellow (46%)
- Black (16%)





- Cyan (88%)
- Magenta (16%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6765, 49.6070, 24.3361 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 27.6765, 49.6070, 24.3361 by changing the saturation by 10% instead.


 27.6765, 49.6070,
24.3361


 27.6765, 49.6070,
24.3361


283.0261,
385.1271, 287.8564


 18.2211, 35.1012,
15.3686

 55.3798, 89.5923,
51.5288


 11.2095, 23.7409,
8.9290


 74.3585, 115.8407,
70.5911


 6.2763, 15.1415,
4.5987


 97.2423, 146.7720,
93.8554

 3.0560, 8.9188,
1.9592

 124.3966,
182.7707, 121.7403

 1.1835, 4.6882,
0.5300

 156.1868,
224.2211, 154.6643

 0.0933, 2.0655,
0.0000

192.9782,

 0.0000, 0.6451,

271.5078, 193.0460

0.0000

235.1362,
325.0149, 237.3038

■ 0.0000, 0.0000,
0.0000

■ 27.6765, 49.6070,
24.3361

■ 27.6765, 49.6070,
24.3361

■ 26.6280, 49.1397,
21.0423

■ 29.2326, 50.3292,
28.0879

■ 26.2929, 48.9932,
19.8399

■ 31.3702, 51.3398,
32.3130

■ 34.1533, 52.6730,
37.0298

■ 37.6361, 54.3564,
42.2545

■ 41.8668, 56.4146,
48.0025

■ 46.8893, 58.8699,
54.2884

■ 52.7438, 61.7427,
61.1263

■ 59.4677, 65.0521,
68.5296

■ 67.0961, 68.8160,
76.5113

Harmonies

Analogous

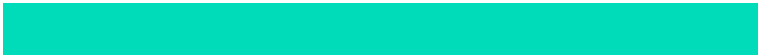
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.0371, 49.6070, 11.3493



27.6765, 49.6070, 24.3361



25.2822, 49.6070, 54.2207

Triad

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



27.6765, 49.6070, 24.3361



47.2222, 49.6070, 171.2123



74.0153, 49.6070, 24.1261

Complementary

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



27.6765, 49.6070, 24.3361



32.1598, 16.8106, 22.3205

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.



78.9724, 49.6070, 53.8070



27.6765, 49.6070, 24.3361



61.7750, 49.6070, 149.9654

Square

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



27.6765, 49.6070, 24.3361



35.1399, 49.6070, 150.3744



74.1130, 49.6070, 101.3419



61.6253, 49.6070, 11.2764

Rectangle

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



27.6765, 49.6070, 24.3361



26.3699, 49.6070, 84.6577



74.1130, 49.6070, 101.3419



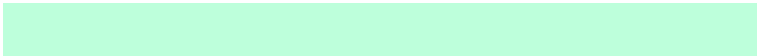
76.7028, 49.6070, 31.8321

Sweetspot

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



27.6777, 49.6090, 24.3372



69.5012, 87.4322, 80.4570



33.6736, 53.0304, 9.6897



14.2899, 18.4272, 16.5031



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.



27.6777, 49.6090, 24.3372



39.0180, 72.8232, 29.0763



35.5788, 52.7694, 65.9438



12.4987, 13.9905, 14.4405



15.9431, 29.6326, 12.2620



1.0032, 1.8039, 0.9583

Inverse Universe

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



32.1598, 16.8106, 22.3205



45.7699, 23.0720, 25.7842



28.5666, 15.3733, 3.3990



12.6998, 12.5314, 14.3595



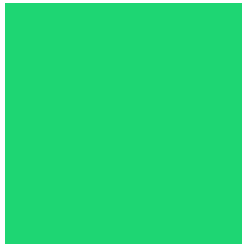
18.6905, 9.4125, 10.9399



1.1689, 0.5844, 0.8789

Previews

White Background



This preview shows how the XYZ color 27.6765, 49.6070, 24.3361 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 27.6765, 49.6070, 24.3361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

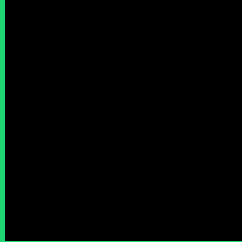
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.6765, 49.6070, 24.3361

Background



This preview shows how black text looks on a background with the XYZ color 27.6765, 49.6070, 24.3361.



This preview shows how white text looks on a background with the XYZ color 27.6765, 49.6070,

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

27.6765, 49.6070, 24.3361

Protanopia

44.4763, 48.3939, 20.0935

Deuteranopia

49.4844, 48.4291, 25.8084



Tritanopia

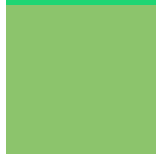
37.5629, 49.2404, 74.5424

Trichromacy



Original Color

27.6765, 49.6070, 24.3361



Protanomaly

33.2619, 46.1380, 21.3398



Deuteranomaly

34.8135, 44.8828, 24.9175



Tritanomaly

32.5261, 48.5688, 51.3765

Monochromacy



Original Color

27.6765, 49.6070, 24.3361



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

25.0222, 34.2859, 28.5916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6765, 49.6070, 24.3361 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(30, 214, 115)` looks like.

```
.text, #text, p{  
    color:rgb(30, 214, 115)  
}
```

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(30, 214, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 214, 115) }
```

Border

The CSS property to change the border of an element to XYZ 27.6765, 49.6070, 24.3361 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(30, 214, 115) }
```


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

```
.border{ border-color:rgb(30, 214, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 214, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 214, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 214, 115);  
box-shadow:4px 4px 4px 4px rgb(30, 214,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6765, 49.6070, 24.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 214, 115) }
```

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

```
.background{ background-color: rgb(30, 214,  
115) }
```

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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