

Converting Colors

XYZ(27.0191, 49.1706, 22.4710)

Have a look what the booklet for
XYZ(27.0191, 49.1706, 22.4710)
contains.

XYZ(27.1161, 49.3567, 22.5656)	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(27.1161, 49.3567,
22.5656)**

Conversions

Conversions Part 1

Format	Color
Hex	15D66D
RGB	21, 214, 109
RGB Percent	8%, 84%, 43%
CMY	0.9176, 0.1608, 0.5725
CMYK	0.90, 0.00, 0.49, 0.16
HSL	147°, 82%, 46%
HSV	147°, 90%, 84%
XYZ	27.1161, 49.3567, 22.5656
YIQ	144.3230, -81.3230, -73.5710

Conversions

Conversions Part 2

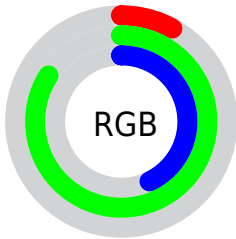
Format	Color
RYB	21, 154, 214
Decimal	1431149
CIELab	75.67, -65.99, 39.70
CIELCh	76, 77.008, 148.967
Yxy	49.3567, 0.2738, 0.4984
Android (android.graphics.Color)	4279621229 (0xFF15D66D)
YUV	144.3230, -17.4142, -108.1543
Hunter-Lab	70.2543, -54.0493, 30.1342

Details

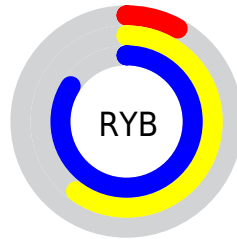
The XYZ color **27.1161, 49.3567, 22.5656** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **31.7671, 16.3397, 21.2199**, and the grayscale version is **26.7324, 28.1245, 30.6276**.

A 20% lighter version of the original color is **48.5883, 77.3798, 46.5574**, and **12.9906, 24.7592, 8.0973** is the 20% darker color. If you saturate the color by 10%, you get **26.2321, 48.9689, 19.5199**, and if you desaturate by 10%, it is **28.4485, 49.9676, 26.1207**.

Distribution



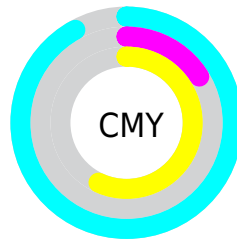
- Red (8%)
- Green (84%)
- Blue (43%)



- Red (8%)
- Yellow (60%)
- Blue (84%)



- Cyan (90%)
- Magenta (0%)
- Yellow (49%)
- Black (16%)





- Cyan (92%)
- Magenta (16%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1161, 49.3567, 22.5656 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 27.1161, 49.3567, 22.5656 by changing the saturation by 10% instead.


 27.1161, 49.3567,
22.5656


 27.1161, 49.3567,
22.5656


280.3761,
384.1449, 278.5352


 17.7975, 34.9025,
14.0708


 54.4887, 89.2210,
48.5932


 10.9035, 23.5878,
8.0306


 73.2734, 115.3999,
66.9630


 6.0688, 15.0281,
4.0265


 95.9441, 146.2559,
89.4616

 2.9280, 8.8391,
1.6399

 122.8662,
182.1732, 116.5076

 1.1158, 4.6364,
0.3190

 154.4052,
223.5364, 148.5193

 0.0383, 2.0355,
0.0000

190.9262,

 0.0000, 0.6280,

270.7298, 185.9155

0.0000

232.7948,
324.1379, 229.1146

■ 0.0000, 0.0000,
0.0000

■ 27.1161, 49.3567,
22.5656

■ 27.1161, 49.3567,
22.5656

■ 26.2321, 48.9689,
19.5199

■ 28.4485, 49.9676,
26.1207

■ 30.3338, 50.8523,
30.1501

■ 32.8413, 52.0475,
34.6732

■ 36.0283, 53.5823,
39.7072

■ 39.9456, 55.4827,
45.2683

■ 44.6387, 57.7719,
51.3718

■ 50.1493, 60.4710,
58.0325

■ 56.5161, 63.5997,
65.2646

■ 63.7752, 67.1764,
73.0816

Harmonies

Analogous

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



34.8428, 49.3567, 10.1492



27.1161, 49.3567, 22.5656



24.4852, 49.3567, 52.3379

Triad

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



27.1161, 49.3567, 22.5656



46.4195, 49.3567, 176.7519



75.2327, 49.3567, 23.9686

Complementary

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



27.1161, 49.3567, 22.5656



31.7671, 16.3397, 21.2199

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.



80.0262, 49.3567, 55.1691



27.1161, 49.3567, 22.5656



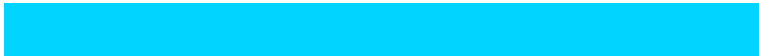
61.4890, 49.3567, 155.9228

Square

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



27.1161, 49.3567, 22.5656



34.1453, 49.3567, 153.0608



74.5575, 49.3567, 105.2593



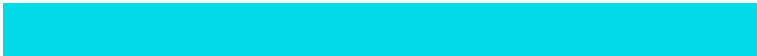
62.5200, 49.3567, 10.6224

Rectangle

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



27.1161, 49.3567, 22.5656



25.4604, 49.3567, 83.5293



74.5575, 49.3567, 105.2593



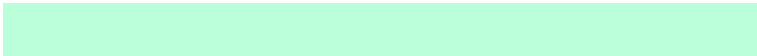
77.9251, 49.3567, 32.0393

Sweetspot

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



27.1173, 49.3587, 22.5667



68.6412, 87.0159, 79.1941



32.9582, 52.6730, 9.1395



14.1220, 18.3462, 16.2432



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.



27.1173, 49.3587, 22.5667



38.9280, 72.7872, 28.6025



35.2984, 52.6311, 65.6479



12.4955, 13.9892, 14.4238



15.9061, 29.6178, 12.0673



1.0008, 1.8030, 0.9462

Inverse Universe

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



31.7671, 16.3397, 21.2199



45.8806, 23.1163, 26.3673



28.2437, 14.9303, 2.6658



12.7030, 12.5327, 14.3763



18.7355, 9.4305, 11.1772



1.1716, 0.5854, 0.8929

Previews

White Background



This preview shows how the XYZ color 27.1161, 49.3567, 22.5656 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 27.1161, 49.3567, 22.5656 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 27.1161, 49.3567, 22.5656

Background



This preview shows how black text looks on a background with the XYZ color 27.1161, 49.3567, 22.5656.



This preview shows how white text looks on a background with the XYZ color 27.1161, 49.3567,

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

27.1161, 49.3567, 22.5656

Protanopia

44.5029, 48.4361, 18.8079

Deuteranopia

49.4236, 48.4403, 23.8845



Tritanopia

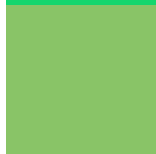
37.3427, 49.1420, 73.8469

Trichromacy



Original Color

27.1161, 49.3567, 22.5656



Protanomaly

32.5046, 45.7775, 19.9547



Deuteranomaly

34.0856, 44.5487, 23.0219



Tritanomaly

31.9707, 48.3176, 49.7607

Monochromacy



Original Color

27.1161, 49.3567, 22.5656



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.4303, 32.6673, 26.5432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1161, 49.3567, 22.5656 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(21, 214, 109)` looks like.

```
.text, #text, p{  
    color:rgb(21, 214, 109)  
}
```

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(21, 214, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 214, 109) }
```

Border

The CSS property to change the border of an element to XYZ 27.1161, 49.3567, 22.5656 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(21, 214, 109) }
```


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

```
.border{ border-color:rgb(21, 214, 109) }
```

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

Here you see how a box with a 4 pixel rgb(21, 214, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 214, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 214, 109);  
box-shadow:4px 4px 4px 4px rgb(21, 214,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1161, 49.3567, 22.5656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 214, 109) }
```

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

```
.background{ background-color: rgb(21, 214,  
109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor