

Converting Colors

XYZ(27.2676, 49.7462, 13.9055)

Have a look what the booklet for
XYZ(27.2676, 49.7462, 13.9055)
contains.

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Color

**XYZ(27.2020, 49.5921,
13.9329)**

Conversions

Conversions Part 1

Format	Color
Hex	3FD646
RGB	63, 214, 70
RGB Percent	25%, 84%, 27%
CMY	0.7529, 0.1608, 0.7255
CMYK	0.71, 0.00, 0.67, 0.16
HSL	123°, 65%, 54%
HSV	123°, 71%, 84%
XYZ	27.2020, 49.5921, 13.9329
YIQ	152.4350, -43.7720, -76.7960

Conversions

Conversions Part 2

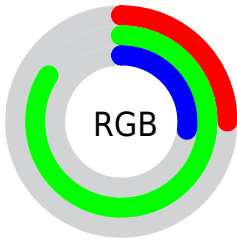
Format	Color
RYB	63, 207, 214
Decimal	4183622
CIELab	75.82, -66.27, 57.52
CIELCh	76, 87.751, 139.040
Yxy	49.5921, 0.2998, 0.5466
Android (android.graphics.Color)	4282373702 (0xFF3FD646)
YUV	152.4350, -40.6405, -78.4345
Hunter-Lab	70.4217, -54.2881, 37.5647

Details

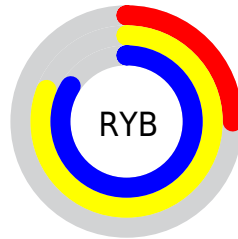
The XYZ color **27.2020, 49.5921, 13.9329** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **40.7728, 22.3569, 61.1982**, and the grayscale version is **30.2184, 31.7921, 34.6216**.

A 20% lighter version of the original color is **48.8217, 77.8260, 31.8508**, and **12.2269, 24.4537, 4.0756** is the 20% darker color. If you saturate the color by 10%, you get **25.5532, 48.8058, 11.0459**, and if you desaturate by 10%, it is **29.6029, 50.7437, 17.9995**.

Distribution



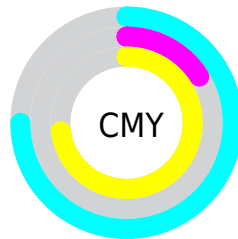
- Red (25%)
- Green (84%)
- Blue (27%)



- Red (25%)
- Yellow (81%)
- Blue (84%)



- Cyan (71%)
- Magenta (0%)
- Yellow (67%)
- Black (16%)



- Cyan (75%)
- Magenta (16%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2020, 49.5921, 13.9329 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 27.2020, 49.5921, 13.9329 by changing the saturation by 10% instead.

■ 27.2020, 49.5921,
13.9329

■ 27.2020, 49.5921,
13.9329

280.7836,
385.0687, 228.2269

■ 17.8624, 35.0894,
7.9358

■ 54.6254, 89.5702,
33.6853

■ 10.9503, 23.7317,
3.9667

■ 73.4400, 115.8144,
48.2777

■ 6.1005, 15.1348,
1.6071

■ 96.1435, 146.7413,
66.5723

■ 2.9475, 8.9140,
0.2959

■ 123.1014,
182.7351, 88.9876

■ 1.1261, 4.6851,
0.0000

■ 154.6790,
224.1804, 115.9422

■ 0.0468, 2.0637,
0.0000

191.2416,

■ 0.0000, 0.6441,

271.4615, 147.8546

0.0000

233.1547,
324.9628, 185.1433

■ 0.0000, 0.0000,
0.0000

■ 27.2020, 49.5921,
13.9329

■ 27.2020, 49.5921,
13.9329

■ 25.5532, 48.8058,
11.0459

■ 29.6029, 50.7437,
17.9995

■ 24.5643, 48.3356,
9.2097


■ 32.8273, 52.2909,
23.3501


■ 24.1019, 48.1168,
8.3022


■ 36.9424, 54.2676,
30.0816


■ 42.0074, 56.7025,
38.2804

■ 48.0765, 59.6218,
48.0262

 55.1997, 63.0497,
59.3926

 63.4238, 67.0089,
72.4488

 72.7927, 71.5207,
87.2597

 83.1250, 76.4901,
103.8766

Harmonies

Analogous

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



37.6295, 49.5921, 5.8243



27.2020, 49.5921, 13.9329



22.5687, 49.5921, 38.6614

Triad

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



27.2020, 49.5921, 13.9329



41.4226, 49.5921, 198.8294



83.4197, 49.5921, 29.6820

Complementary

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



27.2020, 49.5921, 13.9329



40.7728, 22.3569, 61.1982

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.



85.1038, 49.5921, 72.9316



27.2020, 49.5921, 13.9329



58.1218, 49.5921, 191.1225

Square

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



27.2020, 49.5921, 13.9329



29.4253, 49.5921, 154.1514



74.9984, 49.5921, 136.8391



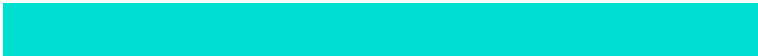
70.8209, 49.5921, 10.6123

Rectangle

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



27.2020, 49.5921, 13.9329



22.4572, 49.5921, 69.3705



74.9984, 49.5921, 136.8391



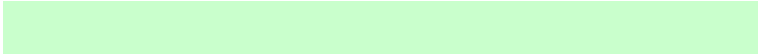
85.3746, 49.5921, 41.0818

Sweetspot

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



27.2032, 49.5942, 13.9340



70.8597, 88.3564, 70.4048



51.2309, 62.0050, 13.9708



14.6011, 18.6397, 14.1628



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.



27.2032, 49.5942, 13.9340



37.1083, 72.1527, 14.8002



31.0962, 51.1514, 34.4343



12.2855, 13.9052, 13.3180



14.5780, 29.0865, 5.0735



0.8877, 1.7577, 0.3502

Inverse Universe

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



40.7728, 22.3569, 61.1982



58.4145, 29.2516, 88.9114



33.7764, 19.5584, 24.3556



12.9270, 12.6223, 15.5558



23.3662, 11.2828, 35.5619



1.4172, 0.6837, 2.1863

Previews

White Background



This preview shows how the XYZ color 27.2020, 49.5921, 13.9329 looks on a white background.

Color Contrast Check

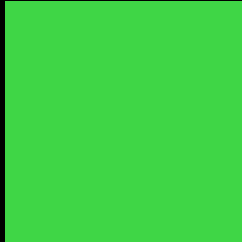
Large Text (above 18pt) WCAG AA × Fail

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 27.2020, 49.5921, 13.9329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

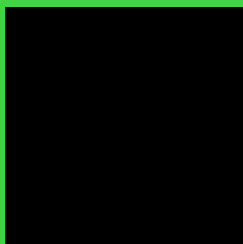
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.2020, 49.5921, 13.9329

Background



This preview shows how black text looks on a background with the XYZ color 27.2020, 49.5921, 13.9329.

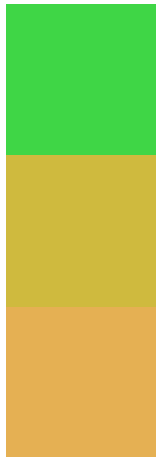


This preview shows how white text looks on a background with the XYZ color 27.2020, 49.5921,

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

27.2020, 49.5921, 13.9329

Protanopia

44.1605, 48.7310, 11.6359

Deuteranopia

49.3998, 48.3332, 14.9092



Tritanopia

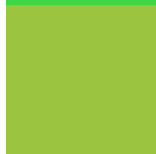
38.7579, 49.2095, 72.4214

Trichromacy



Original Color

27.2020, 49.5921, 13.9329



Protanomaly

34.2116, 46.8301, 12.2370



Deuteranomaly

36.1508, 45.8120, 14.1450



Tritanomaly

32.5620, 48.4308, 42.2822

Monochromacy



Original Color

27.2020, 49.5921, 13.9329



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.5886, 36.0582, 23.9709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2020, 49.5921, 13.9329 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(63, 214, 70)` looks like.

```
.text, #text, p{  
    color:rgb(63, 214, 70)  
}
```

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(63, 214, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 214, 70) }
```

Border

The CSS property to change the border of an element to XYZ 27.2020, 49.5921, 13.9329 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(63, 214, 70) }
```


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

```
.border{ border-color:rgb(63, 214, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 214, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 214, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 214, 70);  
box-shadow:4px 4px 4px 4px rgb(63, 214,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2020, 49.5921, 13.9329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 214, 70) }
```

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

```
.background{ background-color: rgb(63, 214,  
70) }
```

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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