

Converting Colors

XYZ(28.3846, 55.6610, 10.9469)

Have a look what the booklet for
XYZ(28.3846, 55.6610, 10.9469)
contains.

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Color

**XYZ(28.4627, 55.8209,
10.9434)**

Conversions

Conversions Part 1

Format	Color
Hex	19E424
RGB	25, 228, 36
RGB Percent	10%, 89%, 14%
CMY	0.9020, 0.1059, 0.8588
CMYK	0.89, 0.00, 0.84, 0.11
HSL	123°, 80%, 50%
HSV	123°, 89%, 89%
XYZ	28.4627, 55.8209, 10.9434
YIQ	145.4150, -59.3560, -102.7480

Conversions

Conversions Part 2

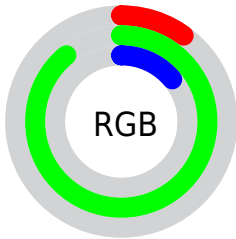
Format	Color
R_{YB}	25, 218, 228
Decimal	1696804
CIE _{Lab}	79.51, -77.17, 71.69
CIE _{LCh}	80, 105.332, 137.111
Yxy	55.8209, 0.2989, 0.5862
Android (android.graphics.Color)	4279886884 (0xFF19E424)
YUV	145.4150, -53.9416, -105.6040
Hunter-Lab	74.7134, -62.7473, 43.6151

Details

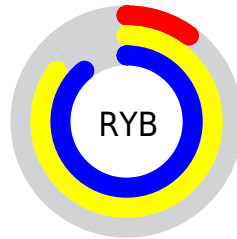
The XYZ color **28.4627, 55.8209, 10.9434** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **44.8670, 22.1991, 67.5596**, and the grayscale version is **27.3142, 28.7367, 31.2943**.

A 20% lighter version of the original color is **45.3964, 76.2220, 24.3763**, and **14.5629, 29.1258, 4.8543** is the 20% darker color. If you saturate the color by 10%, you get **27.8544, 55.5362, 9.6830**, and if you desaturate by 10%, it is **29.7069, 56.4138, 13.2696**.

Distribution



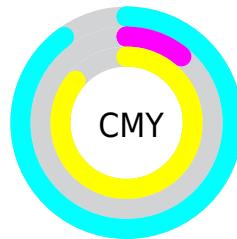
- Red (10%)
- Green (89%)
- Blue (14%)



- Red (10%)
- Yellow (85%)
- Blue (89%)



- Cyan (89%)
- Magenta (0%)
- Yellow (84%)
- Black (11%)




- Cyan (90%)
- Magenta (11%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4627, 55.8209, 10.9434 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 28.4627, 55.8209, 10.9434 by changing the saturation by 10% instead.


 28.4627, 55.8209,
10.9434


 28.4627, 55.8209,
10.9434


286.7115,
409.0162, 208.0023


 18.8170, 40.0593,
5.9151


 56.6258, 98.7427,
28.1905

 11.6413, 27.5848,
2.7256


 75.8739, 126.6717,
41.2464


 6.5704, 18.0129,
0.9563


 99.0535, 159.4253,
57.8152

 3.2388, 10.9593,
0.0000

 126.5300,
197.3879, 78.3155

 1.2813, 6.0395,
0.0000

 158.6686,
240.9439, 103.1658

 0.1691, 2.8691,
0.0000

 195.8349,

 0.0000, 1.0638,

290.4777, 132.7847

0.0000

238.3940,
346.3736, 167.5907

■ 0.0000, 0.0000,
0.0000

■ 28.4627, 55.8209,
10.9434

■ 28.4627, 55.8209,
10.9434

■ 27.8544, 55.5362,
9.6830

■ 29.7069, 56.4138,
13.2696

■ 27.8132, 55.5166,
9.6097


■ 31.7300, 57.3801,
16.8265


■ 34.6336, 58.7709,
21.7538

■ 38.5028, 60.6275,
28.1714

■ 43.4128, 62.9864,
36.1862

 49.4315, 65.8805,
45.8953

 56.6207, 69.3397,
57.3881

 65.0379, 73.3920,
70.7477

 74.7367, 78.0632,
86.0519

Harmonies

Analogous

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



41.9538, 55.8209, 3.5688



28.4627, 55.8209, 10.9434



22.4362, 55.8209, 38.2985

Triad

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



28.4627, 55.8209, 10.9434



44.4805, 55.8209, 260.0920



102.2705, 55.8209, 32.5176

Complementary

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



28.4627, 55.8209, 10.9434



44.8670, 22.1991, 67.5596

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.



103.4777, 55.8209, 90.6847



28.4627, 55.8209, 10.9434



65.9623, 55.8209, 254.2754

Square

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



28.4627, 55.8209, 10.9434



29.8862, 55.8209, 192.5319



88.8357, 55.8209, 179.7247



85.8784, 55.8209, 9.1185

Rectangle

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



28.4627, 55.8209, 10.9434



22.0369, 55.8209, 76.3898



88.8357, 55.8209, 179.7247



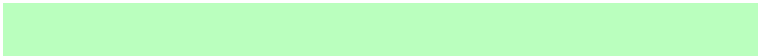
104.5946, 55.8209, 47.4553

Sweetspot

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



28.4640, 55.8232, 10.9447



65.3279, 85.6906, 61.7462



56.7898, 70.4422, 11.5231



13.3562, 18.0399, 12.2102



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.



28.4640, 55.8232, 10.9447



35.8381, 71.5513, 12.3315



32.6358, 57.4919, 32.9129



14.2209, 16.1018, 15.4279



16.0731, 32.0614, 5.6194



1.1990, 2.3737, 0.4744

Inverse Universe

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



44.8670, 22.1991, 67.5596



57.1420, 27.6208, 85.6689



35.5166, 18.4589, 18.3211



14.9596, 14.6010, 17.9875



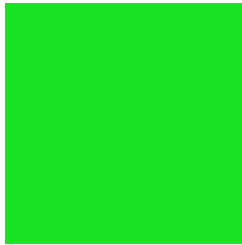
25.6192, 12.3819, 38.4854



1.9036, 0.9191, 2.8987

Previews

White Background



This preview shows how the XYZ color 28.4627, 55.8209, 10.9434 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 28.4627, 55.8209, 10.9434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

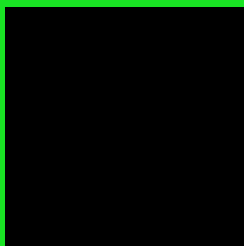
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.4627, 55.8209, 10.9434

Background



This preview shows how black text looks on a background with the XYZ color 28.4627, 55.8209, 10.9434.

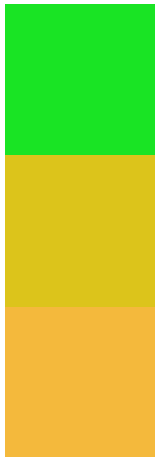


This preview shows how white text looks on a background with the XYZ color 28.4627, 55.8209,

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

28.4627, 55.8209, 10.9434

Protanopia

49.4530, 54.7746, 9.0030

Deuteranopia

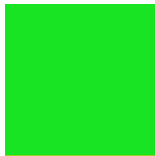
55.4728, 54.2573, 11.8239



Tritanopia

42.6161, 55.2855, 82.5538

Trichromacy



Original Color

28.4627, 55.8209, 10.9434



Protanomaly

35.1846, 51.5950, 9.3327



Deuteranomaly

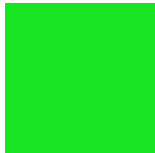
36.7940, 49.9048, 10.8253



Tritanomaly

33.9279, 53.9856, 41.4330

Monochromacy



Original Color

28.4627, 55.8209, 10.9434



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

23.2466, 34.4466, 18.7882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4627, 55.8209, 10.9434 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(25, 228, 36)` looks like.

```
.text, #text, p{  
    color:rgb(25, 228, 36)  
}
```

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(25, 228, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 228, 36) }
```

Border

The CSS property to change the border of an element to XYZ 28.4627, 55.8209, 10.9434 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(25, 228, 36) }
```


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

```
.border{ border-color:rgb(25, 228, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 228, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 228, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 228, 36);  
box-shadow:4px 4px 4px 4px rgb(25, 228,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4627, 55.8209, 10.9434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 228, 36) }
```

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

```
.background{ background-color: rgb(25, 228,  
36) }
```

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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