

Converting Colors

XYZ(28.1512, 39.8734, 21.4424)

Have a look what the booklet for
XYZ(28.1512, 39.8734, 21.4424)
contains.

XYZ(28.1587, 39.9327, 21.5529)	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(28.1587, 39.9327,
21.5529)**

Conversions

Conversions Part 1

Format	Color
Hex	79B970
RGB	121, 185, 112
RGB Percent	47%, 73%, 44%
CMY	0.5255, 0.2745, 0.5608
CMYK	0.35, 0.00, 0.39, 0.27
HSL	113°, 34%, 58%
HSV	113°, 39%, 73%
XYZ	28.1587, 39.9327, 21.5529
YIQ	157.5420, -14.7110, -36.2710

Conversions

Conversions Part 2

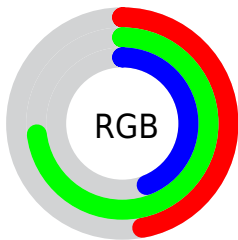
Format	Color
RYB	112, 185, 176
Decimal	7977328
CIELab	69.42, -34.88, 30.72
CIELCh	69, 46.477, 138.626
Yxy	39.9327, 0.3141, 0.4455
Android (android.graphics.Color)	4286167408 (0xFF79B970)
YUV	157.5420, -22.4522, -32.0473
Hunter-Lab	63.1923, -31.0464, 24.0127

Details

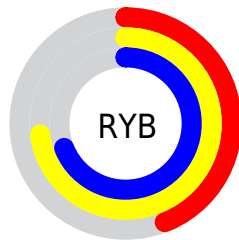
The XYZ color **28.1587, 39.9327, 21.5529** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **32.4575, 24.3225, 48.8851**, and the grayscale version is **32.3959, 34.0831, 37.1164**.

A 20% lighter version of the original color is **56.1513, 74.8573, 47.0867**, and **11.3974, 17.8204, 7.5416** is the 20% darker color. If you saturate the color by 10%, you get **25.1478, 38.4887, 16.5765**, and if you desaturate by 10%, it is **31.7655, 41.6618, 27.6637**.

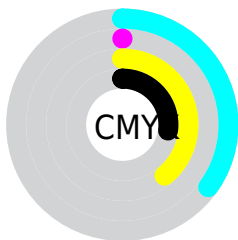
Distribution



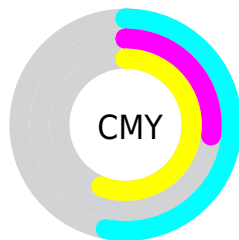
- Red (47%)
- Green (73%)
- Blue (44%)



- Red (44%)
- Yellow (73%)
- Blue (69%)



- Cyan (35%)
- Magenta (0%)
- Yellow (39%)
- Black (27%)



- Cyan (53%)
- Magenta (27%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1587, 39.9327, 21.5529 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 28.1587, 39.9327, 21.5529 by changing the saturation by 10% instead.

■ 28.1587, 39.9327,
21.5529

■ 28.1587, 39.9327,
21.5529

285.2908,
345.8398, 273.0793

■ 18.5864, 27.4861,
13.3336

■ 56.1446, 75.0610,
46.8986

■ 11.4740, 17.9386,
7.5252

■ 75.2889, 98.5115,
64.8620

■ 6.4563, 10.9059,
3.7093

■ 98.3545, 126.3987,
86.9106

■ 3.1677, 6.0036,
1.4673

■ 125.7069,
159.1071, 113.4629

■ 1.2431, 2.8473,
0.1934

157.7114,
197.0210, 144.9373

■ 0.1400, 1.0525,
0.0000

194.7333,

■ 0.0000, 0.0000,

240.5248, 181.7525

0.0000

237.1380,
290.0030, 224.3270

■ 28.1587, 39.9327,
21.5529

■ 28.1587, 39.9327,
21.5529

■ 25.1478, 38.4887,
16.5765

■ 31.7655, 41.6618,
27.6637

■ 22.6976, 37.3097,
12.6621

■ 35.9950, 43.6848,
34.9698

■ 20.7738, 36.3808,
9.7332


■ 40.8757, 46.0164,
43.5313


■ 19.3372, 35.6837,
7.7022


■ 46.4337, 48.6690,
53.4031


■ 18.3428, 35.1974,
6.4657


■ 52.6937, 51.6540,
64.6372


 17.7244, 34.8920,
5.8294

 59.6790, 54.9824,
77.2824

 17.6986, 34.8794,
5.7996

 67.4119, 58.6647,
91.3854

 75.0972, 62.3843,
102.6911

 76.6398, 63.1795,
102.7633

Harmonies

Analogous

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



33.5469, 39.9327, 14.9750



28.1587, 39.9327, 21.5529



25.5360, 39.9327, 35.8568

Triad

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



28.1587, 39.9327, 21.5529



35.1903, 39.9327, 97.6061



53.2690, 39.9327, 31.6136

Complementary

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



28.1587, 39.9327, 21.5529



32.4575, 24.3225, 48.8851

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.



53.8610, 39.9327, 52.1135



28.1587, 39.9327, 21.5529



42.7329, 39.9327, 95.3140

Square

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



28.1587, 39.9327, 21.5529



29.2254, 39.9327, 82.2608



49.7942, 39.9327, 76.7569



48.2696, 39.9327, 19.3283

Rectangle

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



28.1587, 39.9327, 21.5529



25.4442, 39.9327, 49.9504



49.7942, 39.9327, 76.7569



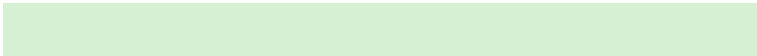
54.0123, 39.9327, 37.5939

Sweetspot

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



28.1597, 39.9344, 21.5538



70.6940, 81.2123, 73.5355



38.3159, 42.2499, 21.4654



14.9923, 17.3893, 15.4169



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.1597, 39.9344, 21.5538



45.8774, 69.3334, 31.0574



28.6755, 40.0018, 30.5476



8.9905, 10.1117, 9.5848



12.0850, 23.7664, 3.9504



0.4597, 0.8552, 0.1408

Inverse Universe

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



32.4575, 24.3225, 48.8851



54.5839, 37.6014, 86.5855



31.9949, 24.3803, 35.4742



9.2691, 9.1051, 11.3484



16.1774, 7.6509, 31.8772



0.6011, 0.2856, 1.1252

Previews

White Background



This preview shows how the XYZ color 28.1587, 39.9327, 21.5529 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 28.1587, 39.9327, 21.5529 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 28.1587, 39.9327, 21.5529

Background



This preview shows how black text looks on a background with the XYZ color 28.1587, 39.9327, 21.5529.



This preview shows how white text looks on a background with the XYZ color 28.1587, 39.9327,

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

28.1587, 39.9327, 21.5529

Protanopia

36.5567, 39.6069, 19.3538

Deuteranopia

40.2186, 39.5425, 22.3423



Tritanopia

34.8113, 39.9193, 54.5856

Trichromacy



Original Color

28.1587, 39.9327, 21.5529

Protanomaly

32.7347, 39.3197, 20.0515

Deuteranomaly

34.4825, 38.7579, 21.8833

Tritanomaly

31.8476, 39.5947, 40.1464

Monochromacy



Original Color

28.1587, 39.9327, 21.5529

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.4874, 35.9481, 30.5311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1587, 39.9327, 21.5529 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(121, 185, 112)` looks like.

```
.text, #text, p{  
    color:rgb(121, 185, 112)  
}
```

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(121, 185, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 185, 112) }
```

Border

The CSS property to change the border of an element to XYZ 28.1587, 39.9327, 21.5529 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(121, 185, 112) }
```


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

```
.border{ border-color:rgb(121, 185, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 185, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 185, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 185, 112);  
box-shadow:4px 4px 4px 4px rgb(121, 185,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1587, 39.9327, 21.5529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 185, 112) }
```

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

```
.background{ background-color: rgb(121,  
185, 112) }
```

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