

Converting Colors

XYZ(29.3740, 35.9278, 17.9577)

Have a look what the booklet for
XYZ(29.3740, 35.9278, 17.9577)
contains.

XYZ(29.3487, 35.9146, 17.9557)	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(29.3487, 35.9146,
17.9557)**

Conversions

Conversions Part 1

Format	Color
Hex	97A966
RGB	151, 169, 102
RGB Percent	59%, 66%, 40%
CMY	0.4078, 0.3372, 0.6000
CMYK	0.11, 0.00, 0.40, 0.34
HSL	76°, 28%, 53%
HSV	76°, 40%, 66%
XYZ	29.3487, 35.9146, 17.9557
YIQ	155.9800, 10.7790, -24.6530

Conversions

Conversions Part 2

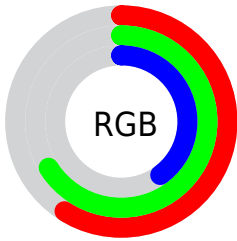
Format	Color
RYB	102, 169, 120
Decimal	9939302
CIELab	66.45, -17.46, 32.49
CIElCh	66, 36.881, 118.251
Yxy	35.9146, 0.3527, 0.4316
Android (android.graphics.Color)	4288129382 (0xFF97A966)
YUV	155.9800, -26.6121, -4.3675
Hunter-Lab	59.9288, -17.4593, 24.1858

Details

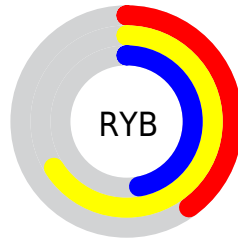
The XYZ color **29.3487, 35.9146, 17.9557** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.6600, 16.3614, 39.6601**, and the grayscale version is **31.7034, 33.3545, 36.3230**.

A 20% lighter version of the original color is **57.9420, 68.7662, 40.7912**, and **12.1495, 15.6323, 5.7451** is the 20% darker color. If you saturate the color by 10%, you get **27.7682, 35.1881, 13.9439**, and if you desaturate by 10%, it is **31.1344, 36.7294, 22.8705**.

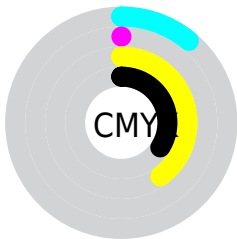
Distribution



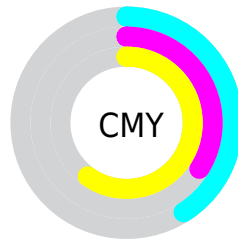
- Red (59%)
- Green (66%)
- Blue (40%)



- Red (40%)
- Yellow (66%)
- Blue (47%)



- Cyan (11%)
- Magenta (0%)
- Yellow (40%)
- Black (34%)



- Cyan (41%)
- Magenta (34%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3487, 35.9146, 17.9557 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 29.3487, 35.9146, 17.9557 by changing the saturation by 10% instead.

■ 29.3487, 35.9146,
17.9557

■ 29.3487, 35.9146,
17.9557

290.8213,
328.5871, 252.8490

■ 19.4904, 24.3682,
10.7491

■ 58.0244, 68.9002,
40.7747

■ 12.1312, 15.6070,
5.7863

■ 77.5724, 91.1083,
57.2242

■ 6.9060, 9.2465,
2.6489

■ 101.0811,
117.6391, 77.5918

■ 3.4492, 4.9023,
0.9175

■ 128.9158,
148.8769, 102.2959

■ 1.3955, 2.1901,
0.0000

161.4418,
185.2063, 131.7551

■ 0.2530, 0.7146,
0.0000

199.0244,

■ 0.0000, 0.0000,

227.0115, 166.3880

0.0000

242.0292,
274.6770, 206.6131

■ 29.3487, 35.9146,
17.9557

■ 29.3487, 35.9146,
17.9557

■ 27.7682, 35.1881,
13.9439

■ 31.1344, 36.7294,
22.8705

■ 26.3794, 34.5408,
10.7777

■ 33.1324, 37.6316,
28.7365

■ 25.1712, 33.9694,
8.3969

■ 35.3530, 38.6267,
35.6010

■ 24.1300, 33.4684,
6.7321

■ 37.8047, 39.7182,
43.5077

■ 23.2401, 33.0315,
5.7019

■ 40.4957, 40.9092,
52.4977

■ 22.4683, 32.6455,
5.1342

■ 43.4337, 42.2030,
62.6097

■ 22.4419, 32.6322,
5.1158

■ 46.6259, 43.6026,
73.8807

■ 50.0795, 45.1106,
86.3459

■ 53.8011, 46.7299,
100.0389

Harmonies

Analogous

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



34.4611, 35.9146, 15.8910



29.3487, 35.9146, 17.9557



25.8731, 35.9146, 25.1772

Triad

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



29.3487, 35.9146, 17.9557



28.8438, 35.9146, 71.1143



45.8974, 35.9146, 40.0410

Complementary

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



29.3487, 35.9146, 17.9557



19.6600, 16.3614, 39.6601

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.



43.9932, 35.9146, 57.4048



29.3487, 35.9146, 17.9557



33.8125, 35.9146, 78.0948

Square

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



29.3487, 35.9146, 17.9557



25.6044, 35.9146, 55.3520



39.4169, 35.9146, 72.5069



44.3784, 35.9146, 26.3957

Rectangle

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



29.3487, 35.9146, 17.9557



24.7528, 35.9146, 33.2295



39.4169, 35.9146, 72.5069



45.6327, 35.9146, 45.6350

Sweetspot

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



29.3496, 35.9162, 17.9565



62.2510, 68.7003, 60.4222



25.4622, 22.7963, 15.6290



13.4596, 14.9252, 12.8316



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.3496, 35.9162, 17.9565



49.9385, 63.1136, 25.4804



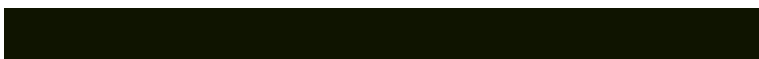
24.0090, 33.1630, 17.7065



7.9473, 8.6709, 8.0441



16.7777, 24.3464, 3.8151



0.4529, 0.6154, 0.0949

Inverse Universe

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



19.6600, 16.3614, 39.6601



30.0578, 22.9524, 70.0711



25.1203, 19.1762, 39.9157



7.3139, 7.3944, 9.4601



6.2025, 2.5809, 28.1468



0.1985, 0.0873, 0.6870

Previews

White Background



This preview shows how the XYZ color 29.3487, 35.9146, 17.9557 looks on a white background.

Color Contrast Check

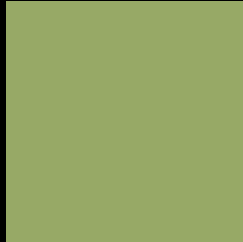
Large Text (above 18pt) WCAG AA × Fail

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 29.3487, 35.9146, 17.9557 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 29.3487, 35.9146, 17.9557

Background



This preview shows how black text looks on a background with the XYZ color 29.3487, 35.9146, 17.9557.



This preview shows how white text looks on a background with the XYZ color 29.3487, 35.9146,

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

29.3487, 35.9146, 17.9557

Protanopia

32.9015, 35.6207, 16.9458

Deuteranopia

36.3535, 35.6005, 18.3201



Tritanopia

34.7849, 35.9805, 44.6467

Trichromacy



Original Color

29.3487, 35.9146, 17.9557

Protanomaly

31.5121, 35.6865, 17.2839

Deuteranomaly

33.2569, 35.2607, 18.1499

Tritanomaly

32.4465, 35.8256, 32.8087

Monochromacy



Original Color

29.3487, 35.9146, 17.9557

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.5152, 34.1373, 28.2734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3487, 35.9146, 17.9557 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(151, 169, 102)` looks like.

```
.text, #text, p{  
    color:rgb(151, 169, 102)  
}
```

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(151, 169, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 169, 102) }
```

Border

The CSS property to change the border of an element to XYZ 29.3487, 35.9146, 17.9557 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(151, 169, 102) }
```


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

```
.border{ border-color:rgb(151, 169, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 169, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 169, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 169, 102);  
box-shadow:4px 4px 4px 4px rgb(151, 169,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3487, 35.9146, 17.9557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 169, 102) }
```

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

```
.background{ background-color: rgb(151,  
169, 102) }
```

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