

Converting Colors

XYZ(18.2446, 25.1402, 34.9189)

Have a look what the booklet for
XYZ(18.2446, 25.1402, 34.9189)
contains.

XYZ(18.2496, 25.1527, 34.9035)	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(18.2496, 25.1527,
34.9035)**

Conversions

Conversions Part 1

Format	Color
Hex	31979B
RGB	49, 151, 155
RGB Percent	19%, 59%, 61%
CMY	0.8078, 0.4078, 0.3922
CMYK	0.68, 0.03, 0.00, 0.39
HSL	182°, 52%, 40%
HSV	182°, 68%, 61%
XYZ	18.2496, 25.1527, 34.9035
YIQ	120.9580, -62.0760, -20.3800

Conversions

Conversions Part 2

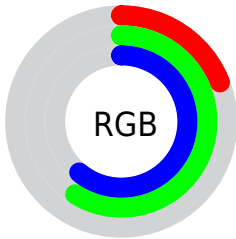
Format	Color
RYB	49, 101, 155
Decimal	3250075
CIELab	57.22, -27.17, -10.63
CIELCh	57, 29.173, 201.369
Yxy	25.1527, 0.2331, 0.3212
Android (android.graphics.Color)	4281440155 (0xFF31979B)
YUV	120.9580, 16.7827, -63.1072
Hunter-Lab	50.1525, -22.8138, -6.1560

Details

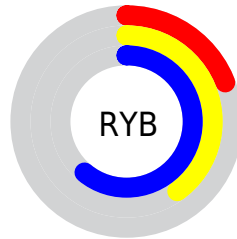
The XYZ color **18.2496, 25.1527, 34.9035** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.3456, 9.7371, 3.9770**, and the grayscale version is **18.1231, 19.0669, 20.7639**.

A 20% lighter version of the original color is **40.0103, 52.0611, 68.2616**, and **7.0559, 10.1138, 14.6770** is the 20% darker color. If you saturate the color by 10%, you get **17.5331, 24.6445, 34.8436**, and if you desaturate by 10%, it is **19.2252, 25.7963, 34.9768**.

Distribution



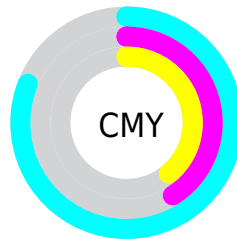
- Red (19%)
- Green (59%)
- Blue (61%)



- Red (19%)
- Yellow (40%)
- Blue (61%)



- Cyan (68%)
- Magenta (3%)
- Yellow (0%)
- Black (39%)



- Cyan (81%)
- Magenta (41%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2496, 25.1527, 34.9035 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 18.2496, 25.1527, 34.9035 by changing the saturation by 10% instead.

■ 18.2496, 25.1527,
34.9035

■ 18.2496, 25.1527,
34.9035

235.2926,
278.5975, 339.0335

■ 11.2301, 16.1909,
23.3056

■ 39.9889, 51.9048,
68.4861

■ 6.2903, 9.6593,
14.6119

■ 55.4395, 70.4639,
91.3079

■ 3.0647, 5.1737,
8.4039

■ 74.4311, 92.9909,
118.7081

■ 1.1881, 2.3495,
4.2630

■ 97.3292, 119.8701,
151.1052

■ 0.0969, 0.7997,
1.7707

■ 124.4990,
151.4860, 188.9177

■ 0.0000, 0.0000,
0.4085

156.3059,

■ 0.0000, 0.0000,

188.2229, 232.5643

0.0000

193.1154,
230.4653, 282.4633

■ 18.2496, 25.1527,
34.9035

■ 18.2496, 25.1527,
34.9035

■ 17.5331, 24.6445,
34.8436

■ 19.2252, 25.7963,
34.9768

■ 17.0457, 24.2546,
34.7941

■ 20.4814, 26.5846,
35.0627

■ 16.7346, 23.9562,
34.7529

■ 22.0400, 27.5296,
35.1630

■ 16.6882, 23.9100,
34.7464

■ 23.9200, 28.6409,
35.2784

■ 26.1390, 29.9276,
35.4098

■ 28.7131, 31.3982,
35.5580

■ 31.6575, 33.0603,
35.7236

■ 34.9865, 34.9215,
35.9074

■ 38.7137, 36.9885,
36.1099

Harmonies

Analogous

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



17.9335, 25.1527, 24.6355



18.2496, 25.1527, 34.9035



20.0025, 25.1527, 45.0563

Triad

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



18.2496, 25.1527, 34.9035



29.4684, 25.1527, 41.0318



24.9156, 25.1527, 12.5783

Complementary

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



18.2496, 25.1527, 34.9035



15.3456, 9.7371, 3.9770

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.



28.2889, 25.1527, 15.0721



18.2496, 25.1527, 34.9035



31.0781, 25.1527, 30.3362

Square

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



18.2496, 25.1527, 34.9035



26.4046, 25.1527, 49.1447



30.6269, 25.1527, 21.0354



21.5719, 25.1527, 13.2385

Rectangle

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



18.2496, 25.1527, 34.9035



21.8510, 25.1527, 49.6043



30.6269, 25.1527, 21.0354



26.0879, 25.1527, 13.0483

Sweetspot

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



18.2504, 25.1536, 34.9041



45.5431, 52.8650, 63.3399



13.6205, 24.3490, 7.2948



10.0760, 11.8311, 14.3229



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.2504, 25.1536, 34.9041



30.8963, 43.7459, 62.3517



11.5952, 11.8434, 32.6857



6.3646, 6.9866, 7.9421



13.4103, 19.2173, 27.9102



0.2058, 0.2979, 0.4190

Inverse Universe

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



20.2024, 11.4002, 30.4148



34.7223, 17.7076, 53.3468



19.1787, 17.4033, 5.2547



6.4512, 6.3196, 7.7559



15.2277, 7.3453, 23.5216



0.2303, 0.1109, 0.3658

Previews

White Background



This preview shows how the XYZ color 18.2496, 25.1527, 34.9035 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2496, 25.1527, 34.9035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

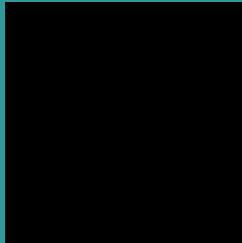
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.2496, 25.1527, 34.9035

Background



This preview shows how black text looks on a background with the XYZ color 18.2496, 25.1527, 34.9035.



This preview shows how white text looks on a background with the XYZ color 18.2496, 25.1527,

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

18.2496, 25.1527, 34.9035

Protanopia

24.0683, 24.8869, 30.3232

Deuteranopia

25.2930, 24.7672, 36.2484



Tritanopia

18.8961, 25.1782, 38.0464

Trichromacy



Original Color

18.2496, 25.1527, 34.9035

Protanomaly

20.6586, 24.1627, 32.0088

Deuteranomaly

21.4935, 24.2890, 35.9032

Tritanomaly

18.5805, 25.0460, 36.6559

Monochromacy



Original Color

18.2496, 25.1527, 34.9035

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.2042, 20.6289, 25.2653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2496, 25.1527, 34.9035 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(49, 151, 155)` looks like.

```
.text, #text, p{  
    color:rgb(49, 151, 155)  
}
```

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(49, 151, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 151, 155) }
```

Border

The CSS property to change the border of an element to XYZ 18.2496, 25.1527, 34.9035 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(49, 151, 155) }
```


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

```
.border{ border-color:rgb(49, 151, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 151, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 151, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 151, 155);  
box-shadow:4px 4px 4px 4px rgb(49, 151,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2496, 25.1527, 34.9035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 151, 155) }
```

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

```
.background{ background-color: rgb(49, 151,  
155) }
```

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