

Converting Colors

XYZ(31.2563, 40.2124, 26.3646)

Have a look what the booklet for
XYZ(31.2563, 40.2124, 26.3646)
contains.

XYZ(31.2354, 40.1817, 26.5316)	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(31.2354, 40.1817,
26.5316)**

Conversions

Conversions Part 1

Format	Color
Hex	8CB580
RGB	140, 181, 128
RGB Percent	55%, 71%, 50%
CMY	0.4510, 0.2902, 0.4980
CMYK	0.23, 0.00, 0.29, 0.29
HSL	106°, 26%, 61%
HSV	106°, 29%, 71%
XYZ	31.2354, 40.1817, 26.5316
YIQ	162.6990, -7.4230, -25.1750

Conversions

Conversions Part 2

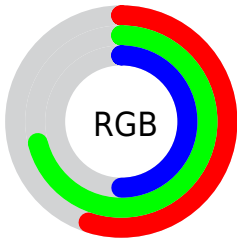
Format	Color
RYB	128, 181, 169
Decimal	9221504
CIELab	69.60, -23.92, 22.66
CIElCh	70, 32.950, 136.541
Yxy	40.1817, 0.3189, 0.4102
Android (android.graphics.Color)	4287411584 (0xFF8CB580)
YUV	162.6990, -17.1066, -19.9070
Hunter-Lab	63.3890, -22.9737, 19.5564

Details

The XYZ color **31.2354, 40.1817, 26.5316** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.4234, 27.2106, 47.2614**, and the grayscale version is **34.7523, 36.5621, 39.8161**.

A 20% lighter version of the original color is **60.8728, 75.3739, 55.0563**, and **13.2141, 18.1122, 10.0073** is the 20% darker color. If you saturate the color by 10%, you get **27.9377, 38.6085, 20.7034**, and if you desaturate by 10%, it is **35.0480, 41.9982, 33.4950**.

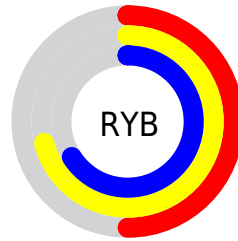
Distribution



Red (55%)

Green (71%)

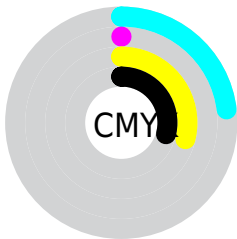
Blue (50%)



Red (50%)

Yellow (71%)

Blue (66%)

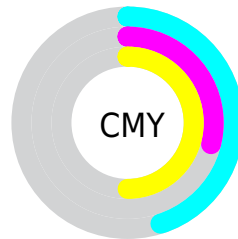


Cyan (23%)

Magenta (0%)

Yellow (29%)

Black (29%)



Cyan (45%)

Magenta (29%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2354, 40.1817, 26.5316 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 31.2354, 40.1817, 26.5316 by changing the saturation by 10% instead.

■ 31.2354, 40.1817,
26.5316

■ 31.2354, 40.1817,
26.5316

299.4289,
346.8888, 299.0701

■ 20.9309, 27.6802,
16.9924

■ 60.9838, 75.4401,
55.1259

■ 13.1857, 18.0848,
10.0672

■ 81.1584, 98.9659,
75.0181

■ 7.6344, 11.0109,
5.3373

■ 105.3538,
126.9352, 99.1984

■ 3.9117, 6.0741,
2.3843

133.9352,
159.7324, 128.0853

■ 1.6523, 2.8902,
0.7779

167.2681,
197.7420, 162.0974

■ 0.4261, 1.0747,
0.0000

205.7177,

■ 0.0000, 0.0000,

241.3484, 201.6532

0.0000

249.6496,
290.9358, 247.1712

■ 31.2354, 40.1817,
26.5316

■ 31.2354, 40.1817,
26.5316

■ 27.9377, 38.6085,
20.7034

■ 35.0480, 41.9982,
33.4950

■ 25.1293, 37.2630,
15.9477

■ 39.3936, 44.0625,
41.6465

■ 22.7869, 36.1360,
12.1997

■ 44.2930, 46.3854,
51.0390

■ 20.8841, 35.2153,
9.3868

■ 49.7651, 48.9756,
61.7213

■ 19.3914, 34.4877,
7.4264

■ 55.8279, 51.8414,
73.7396

■ 18.2757, 33.9381,
6.2216

■ 62.4985, 54.9906,
87.1379

■ 17.4859, 33.5441,
5.5903

■ 69.7934, 58.4307,
101.9582

■ 17.4382, 33.5203,
5.5510

■ 74.7274, 60.9688,
102.4373

■ 75.8147, 61.5293,
102.4882

Harmonies

Analogous

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



35.3518, 40.1817, 21.2430



31.2354, 40.1817, 26.5316



29.0796, 40.1817, 37.2788

Triad

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



31.2354, 40.1817, 26.5316



35.8591, 40.1817, 78.8863



48.8639, 40.1817, 35.9272

Complementary

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



31.2354, 40.1817, 26.5316



32.4234, 27.2106, 47.2614

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.



49.0319, 40.1817, 50.9321



31.2354, 40.1817, 26.5316



41.1793, 40.1817, 78.2835

Square

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



31.2354, 40.1817, 26.5316



31.5770, 40.1817, 68.6552



46.1105, 40.1817, 67.1613



45.6707, 40.1817, 25.7412

Rectangle

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



31.2354, 40.1817, 26.5316



28.9012, 40.1817, 47.1748



46.1105, 40.1817, 67.1613



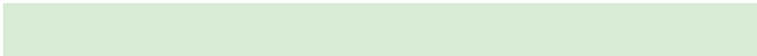
49.2856, 40.1817, 40.4971

Sweetspot

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



31.2364, 40.1834, 26.5325



70.6591, 78.9632, 74.7920



37.0738, 39.6237, 26.1168



15.0169, 16.9457, 15.6821



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.2364, 40.1834, 26.5325



52.1135, 70.1378, 40.7079



30.3197, 39.5957, 31.6893



8.5630, 9.5798, 9.0503



12.0722, 23.1335, 3.8289



0.4307, 0.7541, 0.1229

Inverse Universe

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



32.4234, 27.2106, 47.2614



54.5677, 43.1915, 83.7554



33.7394, 28.0482, 40.1318



8.6581, 8.5478, 10.6999



13.2702, 6.1768, 30.6298



0.4639, 0.2182, 0.9659

Previews

White Background



This preview shows how the XYZ color 31.2354, 40.1817, 26.5316 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 31.2354, 40.1817, 26.5316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

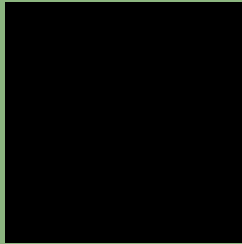
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2354, 40.1817, 26.5316

Background



This preview shows how black text looks on a background with the XYZ color 31.2354, 40.1817, 26.5316.



This preview shows how white text looks on a background with the XYZ color 31.2354, 40.1817,

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

31.2354, 40.1817, 26.5316

Protanopia

37.0545, 39.7511, 24.4586

Deuteranopia

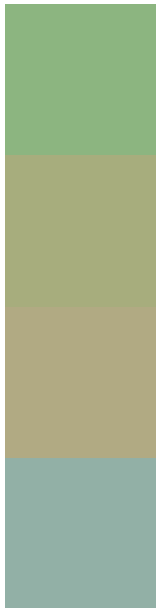
40.5508, 39.8661, 27.3875



Tritanopia

36.4909, 39.9590, 52.8033

Trichromacy



Original Color

31.2354, 40.1817, 26.5316

Protanomaly

34.5816, 39.5833, 25.2197

Deuteranomaly

36.6029, 39.7353, 27.2132

Tritanomaly

34.2623, 39.9148, 41.9749

Monochromacy



Original Color

31.2354, 40.1817, 26.5316

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.3973, 37.9200, 34.4132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2354, 40.1817, 26.5316 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(140, 181, 128)` looks like.

```
.text, #text, p{  
    color:rgb(140, 181, 128)  
}
```

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(140, 181, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 181, 128) }
```

Border

The CSS property to change the border of an element to XYZ 31.2354, 40.1817, 26.5316 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(140, 181, 128) }
```


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

```
.border{ border-color:rgb(140, 181, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 181, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 181, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 181, 128);  
box-shadow:4px 4px 4px 4px rgb(140, 181,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2354, 40.1817, 26.5316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 181, 128) }
```

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

```
.background{ background-color: rgb(140,  
181, 128) }
```

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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