

Converting Colors

XYZ(19.3311, 24.8293, 11.3637)

Have a look what the booklet for
XYZ(19.3311, 24.8293, 11.3637)
contains.

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Color

**XYZ(19.3191, 24.8231,
11.3625)**

Conversions

Conversions Part 1

Format	Color
Hex	789150
RGB	120, 145, 80
RGB Percent	47%, 57%, 31%
CMY	0.5294, 0.4314, 0.6863
CMYK	0.17, 0.00, 0.45, 0.43
HSL	83°, 29%, 44%
HSV	83°, 45%, 57%
XYZ	19.3191, 24.8231, 11.3625
YIQ	130.1150, 5.9650, -25.5150

Conversions

Conversions Part 2

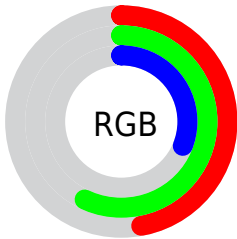
Format	Color
RYB	80, 145, 105
Decimal	7901520
CIELab	56.90, -20.25, 31.53
CIElCh	57, 37.478, 122.713
Yxy	24.8231, 0.3481, 0.4472
Android (android.graphics.Color)	4286091600 (0xFF789150)
YUV	130.1150, -24.7067, -8.8709
Hunter-Lab	49.8228, -17.9754, 21.3544

Details

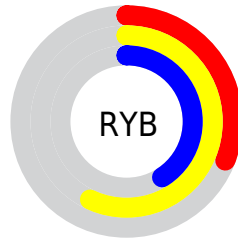
The XYZ color **19.3191, 24.8231, 11.3625** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.8062, 10.7856, 28.1437**, and the grayscale version is **21.3426, 22.4541, 24.4525**.

A 20% lighter version of the original color is **41.6863, 51.3428, 28.8321**, and **6.8030, 9.4173, 2.8980** is the 20% darker color. If you saturate the color by 10%, you get **18.0892, 24.2452, 8.8039**, and if you desaturate by 10%, it is **20.7110, 25.4727, 14.5333**.

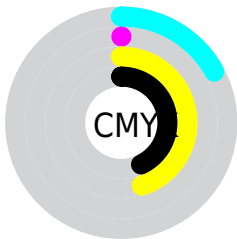
Distribution



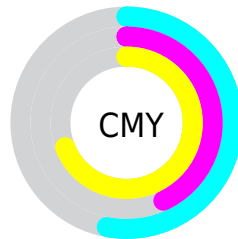
- Red (47%)
- Green (57%)
- Blue (31%)



- Red (31%)
- Yellow (57%)
- Blue (41%)



- Cyan (17%)
- Magenta (0%)
- Yellow (45%)
- Black (43%)



- Cyan (53%)
- Magenta (43%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3191, 24.8231, 11.3625 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 19.3191, 24.8231, 11.3625 by changing the saturation by 10% instead.

■ 19.3191, 24.8231,
11.3625

■ 19.3191, 24.8231,
11.3625

241.1092,
276.9558, 210.9638

■ 12.0065, 15.9453,
6.1940

■ 41.7853, 51.3701,
28.9754

■ 6.8203, 9.4855,
2.8927

■ 57.6696, 69.8081,
42.2569

■ 3.3953, 5.0592,
1.0401

■ 77.1418, 92.2016,
59.0797

■ 1.3661, 2.2820,
0.0000

■ 100.5673,
118.9350, 79.8625

■ 0.2319, 0.7642,
0.0000

■ 128.3114,
150.3928, 105.0238

■ 0.0000, 0.0000,
0.0000

160.7396,

186.9592, 134.9821

198.2170,
229.0188, 170.1559

■ 19.3191, 24.8231,
11.3625

■ 19.3191, 24.8231,
11.3625

■ 18.0892, 24.2452,
8.8039

■ 20.7110, 25.4727,
14.5333

■ 17.0111, 23.7323,
6.8163

■ 22.2706, 26.1938,
18.3508

■ 16.0763, 23.2817,
5.3559

■ 24.0055, 26.9904,
22.8488

■ 15.2743, 22.8893,
4.3721

■ 25.9224, 27.8653,
28.0582

■ 14.5918, 22.5494,
3.7988

■ 28.0274, 28.8210,
34.0082

■ 14.2676, 22.3870,
3.5691

■ 30.3264, 29.8598,
40.7262

■ 32.8251, 30.9843,
48.2383

■ 35.5288, 32.1965,
56.5693

■ 38.4426, 33.4986,
65.7429

Harmonies

Analogous

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



23.1963, 24.8231, 9.3569



19.3191, 24.8231, 11.3625



16.8582, 24.8231, 17.3903

Triad

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



19.3191, 24.8231, 11.3625



19.9312, 24.8231, 54.7114



33.0706, 24.8231, 25.8999

Complementary

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



19.3191, 24.8231, 11.3625



13.8062, 10.7856, 28.1437

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.



31.9194, 24.8231, 39.6963



19.3191, 24.8231, 11.3625



23.9954, 24.8231, 59.0849

Square

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



19.3191, 24.8231, 11.3625



17.1796, 24.8231, 42.3127



28.4563, 24.8231, 52.9006



31.4332, 24.8231, 15.9545

Rectangle

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



19.3191, 24.8231, 11.3625



16.1715, 24.8231, 24.0760



28.4563, 24.8231, 52.9006



32.9971, 24.8231, 30.2122

Sweetspot

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



19.3197, 24.8242, 11.3630



43.5007, 48.5679, 42.2838



18.1691, 16.6860, 9.8528



9.5306, 10.7373, 9.0159



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.3197, 24.8242, 11.3630



32.3319, 43.3882, 15.6452



15.5593, 22.8857, 11.1870



5.6413, 6.1832, 5.7855



12.2666, 19.2163, 3.0626



0.1420, 0.1964, 0.0304

Inverse Universe

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



13.8062, 10.7856, 28.1437



21.1489, 14.8810, 49.7312



18.3654, 13.1360, 28.3571



5.3135, 5.3498, 6.7813



5.7992, 2.4832, 23.1507



0.0787, 0.0358, 0.2224

Previews

White Background



This preview shows how the XYZ color 19.3191, 24.8231, 11.3625 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 19.3191, 24.8231, 11.3625 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 19.3191, 24.8231, 11.3625

Background



This preview shows how black text looks on a background with the XYZ color 19.3191, 24.8231, 11.3625.



This preview shows how white text looks on a background with the XYZ color 19.3191, 24.8231,

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

19.3191, 24.8231, 11.3625

Protanopia

22.7214, 24.6282, 10.5773

Deuteranopia

25.0999, 24.6047, 11.8138



Tritanopia

23.3442, 24.6966, 31.5535

Trichromacy



Original Color

19.3191, 24.8231, 11.3625

Protanomaly

21.2552, 24.5043, 10.8173

Deuteranomaly

22.6197, 24.3420, 11.6899

Tritanomaly

21.5574, 24.6218, 22.3552

Monochromacy



Original Color

19.3191, 24.8231, 11.3625

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.1928, 22.9334, 18.6916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3191, 24.8231, 11.3625 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(120, 145, 80)` looks like.

```
.text, #text, p{  
    color:rgb(120, 145, 80)  
}
```

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(120, 145, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 145, 80) }
```

Border

The CSS property to change the border of an element to XYZ 19.3191, 24.8231, 11.3625 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(120, 145, 80) }
```


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

```
.border{ border-color:rgb(120, 145, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 145, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 145, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 145, 80);  
box-shadow:4px 4px 4px 4px rgb(120, 145,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3191, 24.8231, 11.3625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 145, 80) }
```

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

```
.background{ background-color: rgb(120,  
145, 80) }
```

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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