

Converting Colors

XYZ(19.6285, 24.1216, 19.2602)

Have a look what the booklet for
XYZ(19.6285, 24.1216, 19.2602)
contains.

XYZ(19.5931, 24.1157, 19.2449)	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(19.5931, 24.1157,
19.2449)**

Conversions

Conversions Part 1

Format	Color
Hex	728E71
RGB	114, 142, 113
RGB Percent	45%, 56%, 44%
CMY	0.5529, 0.4431, 0.5569
CMYK	0.20, 0.00, 0.20, 0.44
HSL	118°, 11%, 50%
HSV	118°, 20%, 56%
XYZ	19.5931, 24.1157, 19.2449
YIQ	130.3220, -7.3790, -14.9550

Conversions

Conversions Part 2

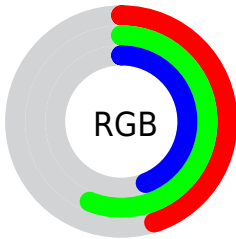
Format	Color
RYB	113, 142, 141
Decimal	7507569
CIELab	56.20, -15.86, 12.25
CIElCh	56, 20.037, 142.317
Yxy	24.1157, 0.3112, 0.3831
Android (android.graphics.Color)	4285697649 (0xFF728E71)
YUV	130.3220, -8.5397, -14.3144
Hunter-Lab	49.1077, -14.7203, 11.1402

Details

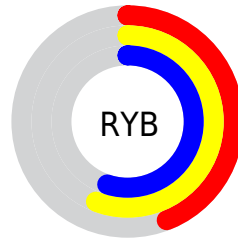
The XYZ color **19.5931, 24.1157, 19.2449** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.7731, 19.4266, 28.1946**, and the grayscale version is **21.3639, 22.4765, 24.4769**.

A 20% lighter version of the original color is **42.2573, 50.3035, 43.0796**, and **6.9613, 9.1598, 6.4021** is the 20% darker color. If you saturate the color by 10%, you get **17.2038, 22.9699, 15.2814**, and if you desaturate by 10%, it is **22.3762, 25.4514, 23.8809**.

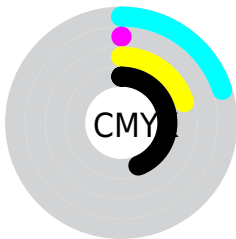
Distribution



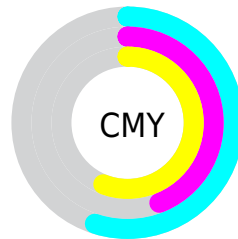
- Red (45%)
- Green (56%)
- Blue (44%)



- Red (44%)
- Yellow (56%)
- Blue (55%)



- Cyan (20%)
- Magenta (0%)
- Yellow (20%)
- Black (44%)



- Cyan (55%)
- Magenta (44%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5931, 24.1157, 19.2449 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 19.5931, 24.1157, 19.2449 by changing the saturation by 10% instead.

■ 19.5931, 24.1157,
19.2449

■ 19.5931, 24.1157,
19.2449

242.5795,
273.4049, 260.2651

■ 12.2062, 15.4195,
11.6688

■ 42.2431, 50.2189,
42.9897

■ 6.9574, 9.1143,
6.3988

■ 58.2369, 68.3947,
59.9955

■ 3.4816, 4.8158,
3.0164

■ 77.8303, 90.4992,
80.9815

■ 1.4133, 2.1396,
1.1030

■ 101.3887,
116.9167, 106.3664

■ 0.2656, 0.6868,
0.0000

129.2775,
148.0316, 136.5687

■ 0.0000, 0.0000,
0.0000

161.8619,

184.2283, 172.0068

199.5075,
225.8913, 213.0994

■ 19.5931, 24.1157,
19.2449

■ 19.5931, 24.1157,
19.2449

■ 17.2038, 22.9699,
15.2814

■ 22.3762, 25.4514,
23.8809

■ 15.1887, 22.0026,
11.9578

■ 25.5677, 26.9819,
29.2168

■ 13.5294, 21.2056,
9.2408

■ 29.1838, 28.7156,
35.2807

■ 12.2052, 20.5691,
7.0940

■ 33.2393, 30.6596,
42.0983

■ 11.1934, 20.0822,
5.4768

■ 37.7483, 32.8206,
49.6944

■ 10.4682, 19.7327,
4.3431

■ 42.7242, 35.2050,
58.0925

■ 10.0000, 19.5064,
3.6394

■ 48.1798, 37.8190,
67.3150

■ 9.7348, 19.3786,
3.2274

■ 54.1277, 40.6686,
77.3837

■ 60.5796, 43.7593,
88.3193

Harmonies

Analogous

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



21.2809, 24.1157, 16.1884



19.5931, 24.1157, 19.2449



18.8079, 24.1157, 24.5990

Triad

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



19.5931, 24.1157, 19.2449



22.3344, 24.1157, 40.9338



27.2655, 24.1157, 21.7316

Complementary

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



19.5931, 24.1157, 19.2449



21.7731, 19.4266, 28.1946

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.



27.5945, 24.1157, 27.9898



19.5931, 24.1157, 19.2449



24.6438, 24.1157, 39.8203

Square

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



19.5931, 24.1157, 19.2449



20.3201, 24.1157, 37.6245



26.6064, 24.1157, 34.7961



25.7354, 24.1157, 17.4476

Rectangle

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



19.5931, 24.1157, 19.2449



18.8624, 24.1157, 29.0565



26.6064, 24.1157, 34.7961



27.5242, 24.1157, 23.6451

Sweetspot

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



19.5937, 24.1167, 19.2454



41.7857, 45.9962, 46.0002



23.5957, 25.8616, 19.3713



9.2650, 10.2408, 10.1608



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



19.5937, 24.1167, 19.2454



32.3179, 41.4546, 30.2292



20.2530, 24.3655, 23.3919



5.3590, 6.0377, 5.7723



8.7432, 17.3999, 2.8977



0.0863, 0.1678, 0.0278

Inverse Universe

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



21.7731, 19.4266, 28.1946



36.9509, 31.4822, 49.2570



21.0204, 19.1453, 23.3398



5.6081, 5.5017, 6.7951



13.6652, 6.5383, 23.5189



0.1344, 0.0644, 0.2250

Previews

White Background



This preview shows how the XYZ color 19.5931, 24.1157, 19.2449 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 19.5931, 24.1157, 19.2449 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 19.5931, 24.1157, 19.2449

Background



This preview shows how black text looks on a background with the XYZ color 19.5931, 24.1157, 19.2449.



This preview shows how white text looks on a background with the XYZ color 19.5931, 24.1157,

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

19.5931, 24.1157, 19.2449

Protanopia

22.4407, 23.9051, 17.8994

Deuteranopia

24.3291, 23.8315, 19.8407



Tritanopia

22.0367, 24.0225, 31.4923

Trichromacy



Original Color

19.5931, 24.1157, 19.2449

Protanomaly

21.2759, 23.9226, 18.2480

Deuteranomaly

22.2671, 23.7770, 19.6355

Tritanomaly

21.0770, 24.0661, 26.4560

Monochromacy



Original Color

19.5931, 24.1157, 19.2449

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.4754, 22.7905, 22.3886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5931, 24.1157, 19.2449 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(114, 142, 113)` looks like.

```
.text, #text, p{  
    color:rgb(114, 142, 113)  
}
```

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(114, 142, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 142, 113) }
```

Border

The CSS property to change the border of an element to XYZ 19.5931, 24.1157, 19.2449 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(114, 142, 113) }
```


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

```
.border{ border-color:rgb(114, 142, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 142, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 142, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 142, 113);  
box-shadow:4px 4px 4px 4px rgb(114, 142,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5931, 24.1157, 19.2449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 142, 113) }
```

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

```
.background{ background-color: rgb(114,  
142, 113) }
```

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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