

Converting Colors

XYZ(27.7657, 31.1387, 20.0548)

Have a look what the booklet for
XYZ(27.7657, 31.1387, 20.0548)
contains.

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Color

**XYZ(27.8627, 31.1735,
20.1713)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9A71
RGB	154, 154, 113
RGB Percent	60%, 60%, 44%
CMY	0.3961, 0.3961, 0.5569
CMYK	0.00, 0.00, 0.27, 0.40
HSL	60°, 17%, 52%
HSV	60°, 27%, 60%
XYZ	27.8627, 31.1735, 20.1713
YIQ	149.3260, 13.1610, -12.7510

Conversions

Conversions Part 2

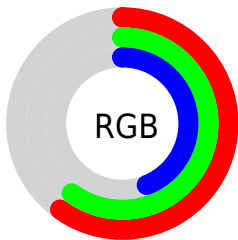
Format	Color
RYB	113, 154, 113
Decimal	10132081
CIELab	62.65, -6.88, 21.60
CIElCh	63, 22.665, 107.663
Yxy	31.1735, 0.3518, 0.3936
Android (android.graphics.Color)	4288322161 (0xFF9A9A71)
YUV	149.3260, -17.9087, 4.0991
Hunter-Lab	55.8332, -8.6305, 17.6631

Details

The XYZ color **27.8627, 31.1735, 20.1713** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.5490, 17.6548, 33.0037**, and the grayscale version is **28.7743, 30.2728, 32.9671**.

A 20% lighter version of the original color is **55.6419, 61.3837, 44.5129**, and **11.2839, 12.9069, 6.8976** is the 20% darker color. If you saturate the color by 10%, you get **27.0683, 30.8568, 15.9860**, and if you desaturate by 10%, it is **28.8058, 31.5519, 25.1329**.

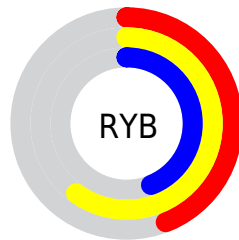
Distribution



Red (60%)

Green (60%)

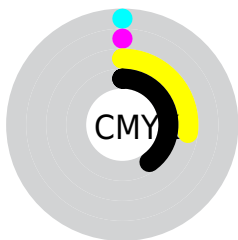
Blue (44%)



Red (44%)

Yellow (60%)

Blue (44%)

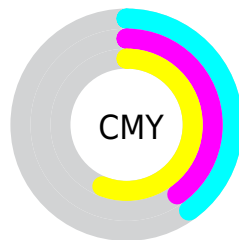


Cyan (0%)

Magenta (0%)

Yellow (27%)

Black (40%)



Cyan (40%)

Magenta (40%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8627, 31.1735, 20.1713 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 27.8627, 31.1735, 20.1713 by changing the saturation by 10% instead.

■ 27.8627, 31.1735,
20.1713

■ 27.8627, 31.1735,
20.1713

283.9023,
307.3368, 265.4758

■ 18.3621, 20.7310,
12.3343

■ 55.6753, 61.5131,
44.5669

■ 11.3115, 12.9275,
6.8465

■ 74.7181, 82.1790,
61.9627

■ 6.3456, 7.3787,
3.2893

■ 97.6723, 107.0216,
83.3817

■ 3.0990, 3.7000,
1.2442

■ 124.9033,
136.4251, 109.2426

■ 1.2063, 1.5072,
0.0154

156.7764,
170.7739, 139.9640

■ 0.1114, 0.2938,
0.0000

193.6571,

■ 0.0000, 0.0000,

210.4526, 175.9642

0.0000

235.9105,
255.8454, 217.6620

■ 27.8627, 31.1735,
20.1713

■ 27.8627, 31.1735,
20.1713

■ 27.0683, 30.8568,
15.9860

■ 28.8058, 31.5519,
25.1329

■ 26.4129, 30.5946,
12.5359

■ 29.9022, 31.9904,
30.9051

■ 25.8892, 30.3851,
9.7792

■ 31.1592, 32.4932,
37.5227

■ 25.4882, 30.2246,
7.6689

■ 32.5827, 33.0627,
45.0177

■ 25.1999, 30.1093,
6.1525

■ 34.1787, 33.7011,
53.4207

■ 25.0129, 30.0345,
5.1690

■ 35.9526, 34.4107,
62.7605

■ 24.9095, 29.9931,
4.6257

■ 37.9096, 35.1936,
73.0648

■ 24.8809, 29.9817,
4.4757

■ 40.0549, 36.0517,
84.3603

■ 42.3932, 36.9870,
96.6724

Harmonies

Analogous

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



30.9174, 31.1735, 19.8834



27.8627, 31.1735, 20.1713



25.4502, 31.1735, 23.7222

Triad

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



27.8627, 31.1735, 20.1713



25.8047, 31.1735, 48.1415



35.8223, 31.1735, 37.7104

Complementary

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



27.8627, 31.1735, 20.1713



18.5490, 17.6548, 33.0037

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.



34.2429, 31.1735, 46.7436



27.8627, 31.1735, 20.1713



28.3778, 31.1735, 53.4313

Square

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



27.8627, 31.1735, 20.1713



24.3201, 31.1735, 39.3729



31.4694, 31.1735, 52.8793



35.6603, 31.1735, 29.0361

Rectangle

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



27.8627, 31.1735, 20.1713



24.4657, 31.1735, 27.8766



31.4694, 31.1735, 52.8793



35.4731, 31.1735, 40.8304

Sweetspot

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



27.8635, 31.1749, 20.1720



53.9922, 57.9801, 54.4296



22.2132, 19.8732, 18.2883



12.1538, 13.0967, 11.9668



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.



27.8635, 31.1749, 20.1720



49.7131, 56.2683, 31.9024



24.2894, 29.3324, 20.0047



6.7089, 7.2229, 6.6464



20.2700, 24.4254, 3.6462



0.3031, 0.3652, 0.0545

Inverse Universe

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



18.5490, 17.6548, 33.0037



29.8545, 27.4433, 59.2599



21.4908, 19.1713, 33.1414



5.8845, 6.0264, 7.7820



4.7522, 1.9009, 25.0241



0.0711, 0.0284, 0.3741

Previews

White Background



This preview shows how the XYZ color 27.8627, 31.1735, 20.1713 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 27.8627, 31.1735, 20.1713 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

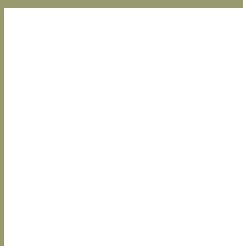
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8627, 31.1735, 20.1713

Background



This preview shows how black text looks on a background with the XYZ color 27.8627, 31.1735, 20.1713.



This preview shows how white text looks on a background with the XYZ color 27.8627, 31.1735,

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

27.8627, 31.1735, 20.1713

Protanopia

29.0955, 31.0896, 19.7966

Deuteranopia

31.5800, 30.9536, 20.5298



Tritanopia

31.4323, 31.1915, 37.6216

Trichromacy



Original Color

27.8627, 31.1735, 20.1713

Protanomaly

28.6501, 31.0999, 19.8221

Deuteranomaly

29.9894, 30.8297, 20.2897

Tritanomaly

29.9648, 31.0650, 30.4034

Monochromacy



Original Color

27.8627, 31.1735, 20.1713

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.2730, 30.4901, 27.6876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8627, 31.1735, 20.1713 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(154, 154, 113)` looks like.

```
.text, #text, p{  
    color:rgb(154, 154, 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(154, 154, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 154, 113) }
```

Border

The CSS property to change the border of an element to XYZ 27.8627, 31.1735, 20.1713 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(154, 154, 113) }
```


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

```
.border{ border-color:rgb(154, 154, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 154, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 154, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 154, 113);  
box-shadow:4px 4px 4px 4px rgb(154, 154,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8627, 31.1735, 20.1713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 154, 113) }
```

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

```
.background{ background-color: rgb(154,  
154, 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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