

Converting Colors

XYZ(31.3592, 27.6012, 20.5607)

Have a look what the booklet for
XYZ(31.3592, 27.6012, 20.5607)
contains.

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Color

**XYZ(31.4432, 27.6887,
20.5168)**

Conversions

Conversions Part 1

Format	Color
Hex	BA8275
RGB	186, 130, 117
RGB Percent	73%, 51%, 46%
CMY	0.2706, 0.4902, 0.5412
CMYK	0.00, 0.30, 0.37, 0.27
HSL	11°, 33%, 59%
HSV	11°, 37%, 73%
XYZ	31.4432, 27.6887, 20.5168
YIQ	145.2620, 37.5490, 7.8290

Conversions

Conversions Part 2

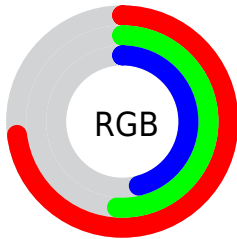
Format	Color
R_{YB}	186, 133, 117
Decimal	12223093
CIE _{Lab}	59.61, 19.92, 15.70
CIE _{LCh}	60, 25.358, 38.241
Yxy	27.6887, 0.3948, 0.3476
Android (android.graphics.Color)	4290413173 (0xFFBA8275)
YUV	145.2620, -13.9332, 35.7272
Hunter-Lab	52.6201, 14.5779, 13.7166

Details

The XYZ color **31.4432, 27.6887, 20.5168** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **31.1420, 37.2128, 51.9958**, and the grayscale version is **27.0650, 28.4745, 31.0087**.

A 20% lighter version of the original color is **61.4031, 55.9646, 45.1021**, and **13.3029, 10.9923, 7.0508** is the 20% darker color. If you saturate the color by 10%, you get **28.5938, 23.5696, 14.6971**, and if you desaturate by 10%, it is **34.8059, 32.4865, 27.5802**.

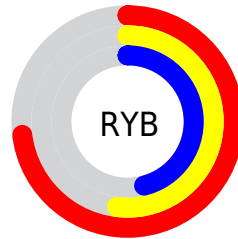
Distribution



Red (73%)

Green (51%)

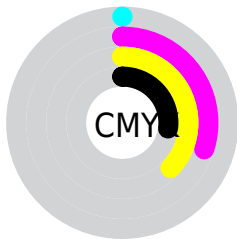
Blue (46%)



Red (73%)

Yellow (52%)

Blue (46%)

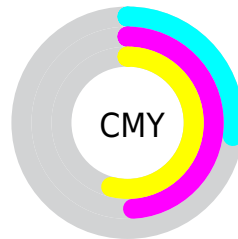


Cyan (0%)

Magenta (30%)

Yellow (37%)

Black (27%)



Cyan (27%)

Magenta (49%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4432, 27.6887, 20.5168 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 31.4432, 27.6887, 20.5168 by changing the saturation by 10% instead.

■ 31.4432, 27.6887,
20.5168

■ 31.4432, 27.6887,
20.5168

300.3655,
290.9764, 267.3955

■ 21.0900, 18.0911,
12.5835

■ 61.3083, 55.9871,
45.1523

■ 13.3027, 11.0154,
7.0150

■ 81.5509, 75.4566,
62.6915

■ 7.7157, 6.0772,
3.3929

■ 105.8208, 98.9856,
84.2697

■ 3.9639, 2.8921,
1.2986

134.4832,
126.9585, 110.3055

■ 1.6817, 1.0757,
0.0606

167.9035,
159.7596, 141.2175

■ 0.4448, 0.0000,
0.0000

206.4471,

■ 0.0000, 0.0000,

197.7734, 177.4241

0.0000

250.4793,
241.3842, 219.3439

■ 31.4432, 27.6887,
20.5168

■ 31.4432, 27.6887,
20.5168

■ 28.5938, 23.5696,
14.6971

■ 34.8059, 32.4865,
27.5802

■ 26.2298, 20.0944,
10.0471

■ 38.7036, 37.9878,
35.9521

■ 24.3240, 17.2314,
6.4873


■ 43.1595, 44.2209,
45.6950


■ 22.8453, 14.9444,
3.9278


■ 48.1944, 51.2114,
56.8666


■ 21.7586, 13.1932,
2.2639


■ 53.8284, 58.9838,
69.5213


 21.0193, 11.9309,
1.3501

 60.0805, 67.5612,
83.7110

 20.8523, 11.6444,
1.1485

 66.9688, 76.9661,
99.4847

 72.7224, 86.5044,
107.4719

 74.0597, 89.1791,
107.9177

Harmonies

Analogous

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



32.8773, 27.6887, 27.6961



31.4432, 27.6887, 20.5168



28.6610, 27.6887, 16.5823

Triad

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



31.4432, 27.6887, 20.5168



21.0141, 27.6887, 24.0851



27.2077, 27.6887, 51.1278

Complementary

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



31.4432, 27.6887, 20.5168



31.1420, 37.2128, 51.9958

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.



24.1050, 27.6887, 49.6186



31.4432, 27.6887, 20.5168



20.6936, 27.6887, 32.7411

Square

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



31.4432, 27.6887, 20.5168



22.6950, 27.6887, 18.3335



21.7811, 27.6887, 42.4022



30.3059, 27.6887, 46.1856

Rectangle

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



31.4432, 27.6887, 20.5168



26.5063, 27.6887, 15.7603



21.7811, 27.6887, 42.4022



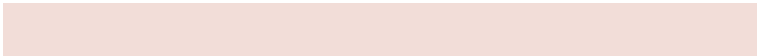
26.1291, 27.6887, 51.3748

Sweetspot

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



31.4439, 27.6900, 20.5173



74.8046, 75.3737, 75.3026



34.1879, 26.1926, 42.9668



16.2305, 16.2591, 16.0520



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.4439, 27.6900, 20.5173



52.4736, 43.6610, 27.9382



36.7630, 38.3282, 22.2904



9.1379, 9.2788, 9.4163



14.0705, 7.9174, 0.7866



0.5376, 0.3623, 0.0416

Inverse Universe

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



31.1420, 37.2128, 51.9958



51.8180, 63.5177, 93.7304



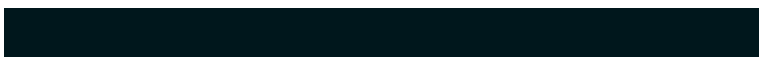
25.4102, 25.7492, 50.0852



9.1189, 9.9151, 11.5126



13.4536, 17.3668, 33.8961



0.5119, 0.6875, 1.2075

Previews

White Background



This preview shows how the XYZ color 31.4432, 27.6887, 20.5168 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 31.4432, 27.6887, 20.5168 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 31.4432, 27.6887, 20.5168

Background



This preview shows how black text looks on a background with the XYZ color 31.4432, 27.6887, 20.5168.



This preview shows how white text looks on a background with the XYZ color 31.4432, 27.6887,

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

31.4432, 27.6887, 20.5168

Protanopia

26.3738, 27.9811, 23.0796

Deuteranopia

28.3314, 27.7396, 20.0807



Tritanopia

32.8438, 27.6763, 27.2779

Trichromacy



Original Color

31.4432, 27.6887, 20.5168

Protanomaly

27.9937, 27.7382, 21.9677

Deuteranomaly

29.4956, 27.7029, 20.3156

Tritanomaly

32.2420, 27.6148, 24.7500

Monochromacy



Original Color

31.4432, 27.6887, 20.5168

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.2485, 27.9790, 26.8333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4432, 27.6887, 20.5168 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(186, 130, 117)` looks like.

```
.text, #text, p{  
    color:rgb(186, 130, 117)  
}
```

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(186, 130, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 130, 117) }
```

Border

The CSS property to change the border of an element to XYZ 31.4432, 27.6887, 20.5168 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(186, 130, 117) }
```


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

```
.border{ border-color:rgb(186, 130, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 130, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 130, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 130, 117);  
box-shadow:4px 4px 4px 4px rgb(186, 130,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4432, 27.6887, 20.5168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 130, 117) }
```

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

```
.background{ background-color: rgb(186,  
130, 117) }
```

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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