

Converting Colors

XYZ(24.9559, 31.2717, 21.0441)

Have a look what the booklet for
XYZ(24.9559, 31.2717, 21.0441)
contains.

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Color

**XYZ(24.8712, 31.1252,
20.9166)**

Conversions

Conversions Part 1

Format	Color
Hex	82A073
RGB	130, 160, 115
RGB Percent	51%, 63%, 45%
CMY	0.4902, 0.3725, 0.5490
CMYK	0.19, 0.00, 0.28, 0.37
HSL	100°, 19%, 54%
HSV	100°, 28%, 63%
XYZ	24.8712, 31.1252, 20.9166
YIQ	145.9000, -3.4350, -20.3550

Conversions

Conversions Part 2

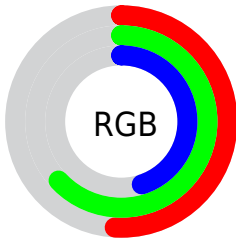
Format	Color
RYB	115, 160, 145
Decimal	8560755
CIELab	62.61, -19.04, 20.14
CIELCh	63, 27.716, 133.395
Yxy	31.1252, 0.3234, 0.4047
Android (android.graphics.Color)	4286750835 (0xFF82A073)
YUV	145.9000, -15.2337, -13.9443
Hunter-Lab	55.7900, -18.0570, 16.8242

Details

The XYZ color **24.8712, 31.1252, 20.9166** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.1543, 20.8202, 36.0050**, and the grayscale version is **27.3427, 28.7667, 31.3269**.

A 20% lighter version of the original color is **50.8039, 61.4582, 45.7442**, and **9.6839, 12.8358, 7.2774** is the 20% darker color. If you saturate the color by 10%, you get **22.4771, 29.9892, 16.4085**, and if you desaturate by 10%, it is **27.5964, 32.4152, 26.2757**.

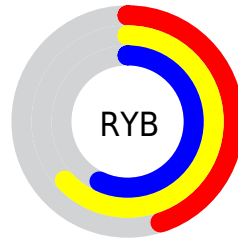
Distribution



Red (51%)

Green (63%)

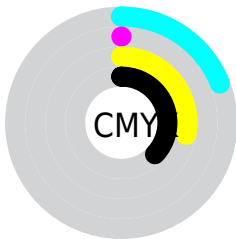
Blue (45%)



Red (45%)

Yellow (63%)

Blue (57%)

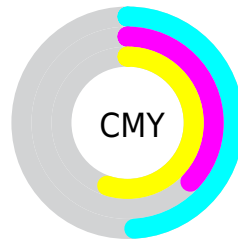


Cyan (19%)

Magenta (0%)

Yellow (28%)

Black (37%)



Cyan (49%)

Magenta (37%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8712, 31.1252, 20.9166 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 24.8712, 31.1252, 20.9166 by changing the saturation by 10% instead.

■ 24.8712, 31.1252,
20.9166

■ 24.8712, 31.1252,
20.9166

269.5554,
307.1147, 269.6014

■ 16.1093, 20.6942,
12.8724

■ 50.8926, 61.4371,
45.8277

■ 9.6929, 12.9007,
7.2110

■ 68.8828, 82.0869,
63.5316

■ 5.2565, 7.3602,
3.5140

■ 90.6799, 106.9116,
85.2926

■ 2.4348, 3.6884,
1.3627

116.6492,
136.2958, 111.5291

■ 0.8625, 1.5008,
0.1124

147.1560,
170.6238, 142.6597

■ 0.0000, 0.2893,
0.0000

182.5658,

■ 0.0000, 0.0000,

210.2800, 179.1029

0.0000

223.2438,
255.6489, 221.2773

■ 24.8712, 31.1252,
20.9166

■ 24.8712, 31.1252,
20.9166

■ 22.4771, 29.9892,
16.4085

■ 27.5964, 32.4152,
26.2757

■ 20.3984, 28.9974,
12.7058

■ 30.6629, 33.8610,
32.5244

■ 18.6213, 28.1446,
9.7613

■ 34.0834, 35.4690,
39.7014

■ 17.1303, 27.4240,
7.5225

■ 37.8693, 37.2444,
47.8424

■ 15.9082, 26.8280,
5.9300

■ 42.0311, 39.1919,
56.9813

■ 14.9354, 26.3479,
4.9146

■ 46.5794, 41.3163,
67.1503

■ 14.1814, 25.9709,
4.3516

■ 51.5240, 43.6219,
78.3803

■ 14.0569, 25.9086,
4.2600

■ 56.8743, 46.1129,
90.7006

■ 61.9881, 48.5330,
100.7084

Harmonies

Analogous

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



27.9335, 31.1252, 17.4217



24.8712, 31.1252, 20.9166



23.1579, 31.1252, 28.2892

Triad

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



24.8712, 31.1252, 20.9166



27.5572, 31.1252, 57.9727



37.2223, 31.1252, 29.2982

Complementary

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



24.8712, 31.1252, 20.9166



24.1543, 20.8202, 36.0050

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.



37.0998, 31.1252, 40.1853



24.8712, 31.1252, 20.9166



31.2974, 31.1252, 58.4048

Square

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



24.8712, 31.1252, 20.9166



24.6159, 31.1252, 50.2742



34.8565, 31.1252, 51.3529



35.1782, 31.1252, 21.5192

Rectangle

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



24.8712, 31.1252, 20.9166



22.9125, 31.1252, 35.1362



34.8565, 31.1252, 51.3529



37.4380, 31.1252, 32.6737

Sweetspot

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



24.8720, 31.1265, 20.9173



55.6555, 61.4709, 59.0173



27.7184, 28.9635, 20.3497



12.0223, 13.3949, 12.5639



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



24.8720, 31.1265, 20.9173



42.2525, 55.1353, 32.4623



23.1859, 30.2054, 23.1840



6.7487, 7.5031, 7.0782



10.9923, 20.2035, 3.3203



0.2389, 0.3831, 0.0614

Inverse Universe

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



24.1543, 20.8202, 36.0050



40.7158, 33.1518, 64.6395



26.3376, 22.0193, 32.7843



6.6892, 6.6438, 8.3365



9.6835, 4.4211, 26.2502



0.2161, 0.1012, 0.4714

Previews

White Background



This preview shows how the XYZ color 24.8712, 31.1252, 20.9166 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 24.8712, 31.1252, 20.9166 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 24.8712, 31.1252, 20.9166

Background



This preview shows how black text looks on a background with the XYZ color 24.8712, 31.1252, 20.9166.



This preview shows how white text looks on a background with the XYZ color 24.8712, 31.1252,

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

24.8712, 31.1252, 20.9166

Protanopia

28.8361, 30.9623, 19.4954

Deuteranopia

31.5269, 30.9059, 21.4433



Tritanopia

28.7554, 30.9389, 40.5326

Trichromacy



Original Color

24.8712, 31.1252, 20.9166

Protanomaly

27.0579, 30.7651, 19.8414

Deuteranomaly

28.6144, 30.5706, 21.2222

Tritanomaly

27.1466, 31.0344, 32.1632

Monochromacy



Original Color

24.8712, 31.1252, 20.9166

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.2550, 29.4579, 27.2238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8712, 31.1252, 20.9166 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(130, 160, 115)` looks like.

```
.text, #text, p{  
    color:rgb(130, 160, 115)  
}
```

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(130, 160, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 160, 115) }
```

Border

The CSS property to change the border of an element to XYZ 24.8712, 31.1252, 20.9166 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(130, 160, 115) }
```


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

```
.border{ border-color:rgb(130, 160, 115) }
```

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

Here you see how a box with a 4 pixel rgb(130, 160, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 160, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 160, 115);  
box-shadow:4px 4px 4px 4px rgb(130, 160,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8712, 31.1252, 20.9166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 160, 115) }
```

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

```
.background{ background-color: rgb(130,  
160, 115) }
```

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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