

Converting Colors

XYZ(24.9610, 29.1036, 13.1955)

Have a look what the booklet for
XYZ(24.9610, 29.1036, 13.1955)
contains.

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Color

**XYZ(24.9591, 29.1010,
13.1057)**

Conversions

Conversions Part 1

Format	Color
Hex	949756
RGB	148, 151, 86
RGB Percent	58%, 59%, 34%
CMY	0.4196, 0.4078, 0.6627
CMYK	0.02, 0.00, 0.43, 0.41
HSL	63°, 27%, 46%
HSV	63°, 43%, 59%
XYZ	24.9591, 29.1010, 13.1057
YIQ	142.6930, 19.0770, -20.8510

Conversions

Conversions Part 2

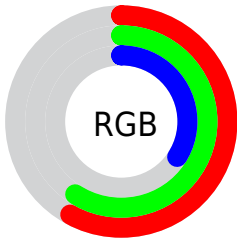
Format	Color
R_{YB}	86, 151, 89
Decimal	9738070
CIE _{Lab}	60.87, -11.15, 33.79
CIE _{LCh}	61, 35.581, 108.270
Yxy	29.1010, 0.3716, 0.4333
Android (android.graphics.Color)	4287928150 (0xFF949756)
YUV	142.6930, -27.9496, 4.6542
Hunter-Lab	53.9453, -11.8171, 23.3576

Details

The XYZ color **24.9591, 29.1010, 13.1057** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.0346, 11.0145, 30.7189**, and the grayscale version is **26.0892, 27.4478, 29.8907**.

A 20% lighter version of the original color is **50.9753, 58.1653, 32.2073**, and **9.7309, 11.7411, 3.5871** is the 20% darker color. If you saturate the color by 10%, you get **24.2883, 28.8192, 10.2272**, and if you desaturate by 10%, it is **25.7606, 29.4373, 16.6625**.

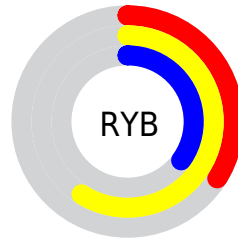
Distribution



Red (58%)

Green (59%)

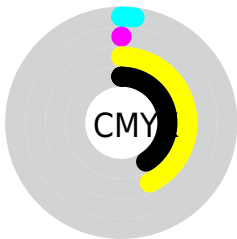
Blue (34%)



Red (34%)

Yellow (59%)

Blue (35%)

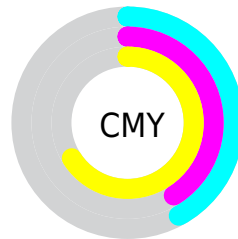


Cyan (2%)

Magenta (0%)

Yellow (43%)

Black (41%)



Cyan (42%)

Magenta (41%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9591, 29.1010, 13.1057 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 24.9591, 29.1010, 13.1057 by changing the saturation by 10% instead.

■ 24.9591, 29.1010,
13.1057

■ 24.9591, 29.1010,
13.1057

269.9856,
297.6912, 222.8255

■ 16.1752, 19.1572,
7.3698

■ 51.0342, 58.2375,
32.1875

■ 9.7398, 11.7840,
3.6125

■ 69.0561, 78.1991,
46.3705

■ 5.2877, 6.5967,
1.4153

■ 90.8881, 102.2687,
64.2063

■ 2.4535, 3.2112,
0.1536

■ 116.8954,
130.8307, 86.1133

■ 0.8719, 1.2430,
0.0000

■ 147.4434,
164.2696, 112.5103

■ 0.0000, 0.0964,
0.0000

182.8976,

■ 0.0000, 0.0000,

202.9697, 143.8156

0.0000

223.6232,
247.3154, 180.4478

■ 24.9591, 29.1010,
13.1057

■ 24.9591, 29.1010,
13.1057

■ 24.2883, 28.8192,
10.2272

■ 25.7606, 29.4373,
16.6625

■ 23.7380, 28.5846,
7.9822

■ 26.6982, 29.8270,
20.9350

■ 23.2998, 28.3950,
6.3233

■ 27.7795, 30.2743,
25.9600

■ 22.9632, 28.2460,
5.1958

■ 29.0108, 30.7818,
31.7715

■ 22.7159, 28.1329,
4.5346

■ 30.3983, 31.3517,
38.4010

■ 22.5734, 28.0661,
4.2276

■ 31.9476, 31.9865,
45.8787

■ 33.6641, 32.6883,
54.2330

■ 35.5530, 33.4591,
63.4911

■ 37.6193, 34.3009,
73.6789

Harmonies

Analogous

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



29.5110, 29.1010, 12.6918



24.9591, 29.1010, 13.1057



21.5283, 29.1010, 17.5543

Triad

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



24.9591, 29.1010, 13.1057



22.1423, 29.1010, 54.8017



37.3337, 29.1010, 37.1623

Complementary

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



24.9591, 29.1010, 13.1057



13.0346, 11.0145, 30.7189

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.



34.8568, 29.1010, 51.8885



24.9591, 29.1010, 13.1057



25.8874, 29.1010, 63.8162

Square

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



24.9591, 29.1010, 13.1057



20.0316, 29.1010, 40.3787



30.5482, 29.1010, 62.6219



37.0133, 29.1010, 24.3401

Rectangle

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



24.9591, 29.1010, 13.1057



20.1804, 29.1010, 23.1459



30.5482, 29.1010, 62.6219



36.7903, 29.1010, 42.1043

Sweetspot

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



24.9598, 29.1023, 13.1063



49.7027, 54.1963, 46.2818



17.9466, 14.2588, 10.6109



11.2013, 12.2787, 10.0726



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



24.9598, 29.1023, 13.1063



43.4956, 51.6090, 18.3172



19.9943, 26.5425, 12.8739



6.6807, 7.2084, 6.6451



19.2094, 23.8787, 3.5966



0.2946, 0.3608, 0.0541

Inverse Universe

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



13.0346, 11.0145, 30.7189



19.1704, 14.7018, 54.2610



16.7531, 12.9315, 30.8929



5.9096, 6.0393, 7.7832



4.8332, 1.9427, 25.0279



0.0784, 0.0322, 0.3745

Previews

White Background



This preview shows how the XYZ color 24.9591, 29.1010, 13.1057 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 24.9591, 29.1010, 13.1057 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 24.9591, 29.1010, 13.1057

Background



This preview shows how black text looks on a background with the XYZ color 24.9591, 29.1010, 13.1057.



This preview shows how white text looks on a background with the XYZ color 24.9591, 29.1010,

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

24.9591, 29.1010, 13.1057

Protanopia

26.7319, 29.0846, 12.5925

Deuteranopia

29.5414, 28.9424, 13.4806



Tritanopia

29.3655, 29.0459, 34.6305

Trichromacy



Original Color

24.9591, 29.1010, 13.1057

Protanomaly

25.9399, 28.9036, 12.8061

Deuteranomaly

27.6711, 28.8666, 13.3459

Tritanomaly

27.3782, 28.9151, 24.9071

Monochromacy



Original Color

24.9591, 29.1010, 13.1057

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.4688, 27.9827, 22.4712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9591, 29.1010, 13.1057 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(148, 151, 86)` looks like.

```
.text, #text, p{  
    color:rgb(148, 151, 86)  
}
```

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(148, 151, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 151, 86) }
```

Border

The CSS property to change the border of an element to XYZ 24.9591, 29.1010, 13.1057 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(148, 151, 86) }
```


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

```
.border{ border-color:rgb(148, 151, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 151, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 151, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 151, 86);  
box-shadow:4px 4px 4px 4px rgb(148, 151,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9591, 29.1010, 13.1057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 151, 86) }
```

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

```
.background{ background-color: rgb(148,  
151, 86) }
```

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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