

Converting Colors

XYZ(24.7942, 29.4456, 19.9997)

Have a look what the booklet for
XYZ(24.7942, 29.4456, 19.9997)
contains.

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Color

**XYZ(24.6884, 29.2931,
19.9757)**

Conversions

Conversions Part 1

Format	Color
Hex	899971
RGB	137, 153, 113
RGB Percent	54%, 60%, 44%
CMY	0.4627, 0.4000, 0.5569
CMYK	0.10, 0.00, 0.26, 0.40
HSL	84°, 16%, 52%
HSV	84°, 26%, 60%
XYZ	24.6884, 29.2931, 19.9757
YIQ	143.6560, 3.3040, -15.8320

Conversions

Conversions Part 2

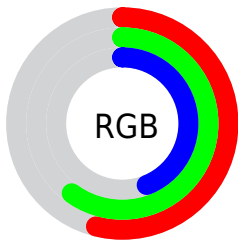
Format	Color
RYB	113, 153, 129
Decimal	9017713
CIELab	61.04, -13.04, 19.18
CIELCh	61, 23.198, 124.214
Yxy	29.2931, 0.3338, 0.3961
Android (android.graphics.Color)	4287207793 (0xFF899971)
YUV	143.6560, -15.1134, -5.8373
Hunter-Lab	54.1231, -13.2922, 16.0035

Details

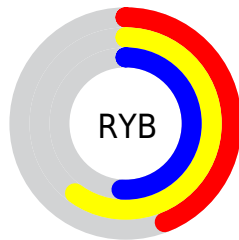
The XYZ color **24.6884, 29.2931, 19.9757** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.7094, 18.7781, 32.6717**, and the grayscale version is **26.4295, 27.8058, 30.2806**.

A 20% lighter version of the original color is **50.5902, 58.4186, 44.2068**, and **9.6360, 11.9106, 6.7921** is the 20% darker color. If you saturate the color by 10%, you get **22.9238, 28.4756, 15.7695**, and if you desaturate by 10%, it is **26.6568, 30.2007, 24.9507**.

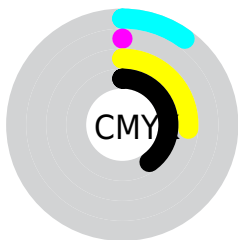
Distribution



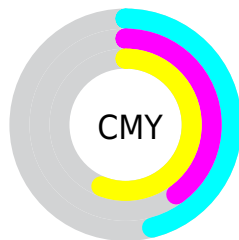
- Red (54%)
- Green (60%)
- Blue (44%)



- Red (44%)
- Yellow (60%)
- Blue (51%)



- Cyan (10%)
- Magenta (0%)
- Yellow (26%)
- Black (40%)



- Cyan (46%)
- Magenta (40%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6884, 29.2931, 19.9757 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 24.6884, 29.2931, 19.9757 by changing the saturation by 10% instead.

■ 24.6884, 29.2931,
19.9757

■ 24.6884, 29.2931,
19.9757

268.6589,
298.5954, 264.3834

■ 15.9725, 19.3027,
12.1935

■ 50.5978, 58.5424,
44.2349

■ 9.5955, 11.8892,
6.7514

■ 68.5221, 78.5701,
61.5489

■ 5.1918, 6.6683,
3.2311

■ 90.2465, 102.7124,
82.8773

■ 2.3961, 3.2555,
1.2138

■ 116.1365,
131.3535, 108.6386

■ 0.8432, 1.2665,
0.0000

146.5574,
164.8780, 139.2513

■ 0.0000, 0.1151,
0.0000

181.8745,

■ 0.0000, 0.0000,

203.6702, 175.1340

0.0000

222.4532,
248.1145, 216.7052

■ 24.6884, 29.2931,
19.9757

■ 24.6884, 29.2931,
19.9757

■ 22.9238, 28.4756,
15.7695

■ 26.6568, 30.2007,
24.9507

■ 21.3523, 27.7408,
12.2919

■ 28.8343, 31.1976,
30.7284

■ 19.9660, 27.0865,
9.5019

■ 31.2289, 32.2881,
37.3429

■ 18.7551, 26.5085,
7.3534

■ 33.8475, 33.4751,
44.8256

■ 17.7089, 26.0026,
5.7950

■ 36.6965, 34.7613,
53.2065

■ 16.8149, 25.5636,
4.7672

■ 39.7824, 36.1493,
62.5142

■ 16.0560, 25.1844,
4.1842

■ 43.1109, 37.6416,
72.7758

■ 15.7848, 25.0484,
4.0029

■ 46.6879, 39.2405,
84.0174

■ 50.5190, 40.9484,
96.2642

Harmonies

Analogous

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



27.4156, 29.2931, 17.9634



24.6884, 29.2931, 19.9757



22.9117, 29.2931, 25.1640

Triad

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



24.6884, 29.2931, 19.9757



25.3803, 29.2931, 49.4328



34.0764, 29.2931, 30.6829

Complementary

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



24.6884, 29.2931, 19.9757



20.7094, 18.7781, 32.6717

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.



33.4337, 29.2931, 39.7310



24.6884, 29.2931, 19.9757



28.2732, 29.2931, 51.6327

Square

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



24.6884, 29.2931, 19.9757



23.2903, 29.2931, 42.2447



31.2538, 29.2931, 47.8064



32.9516, 29.2931, 23.3912

Rectangle

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



24.6884, 29.2931, 19.9757



22.4310, 29.2931, 30.2400



31.2538, 29.2931, 47.8064



34.0604, 29.2931, 33.6097

Sweetspot

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



24.6892, 29.2944, 19.9763



50.8202, 55.4956, 52.8264



23.9689, 23.6661, 18.9279



11.0975, 12.1972, 11.3322



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.



24.6892, 29.2944, 19.9763



42.4405, 51.6393, 31.4882



21.7089, 27.7580, 19.8369



6.4696, 7.0996, 6.6352



13.0835, 20.7207, 3.3099



0.2365, 0.3309, 0.0514

Inverse Universe

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



20.7094, 18.7781, 32.6717



34.1588, 29.7506, 57.9140



24.0504, 20.5005, 32.8280



6.1067, 6.1409, 7.7924



6.3890, 2.7447, 25.1007



0.1349, 0.0613, 0.3771

Previews

White Background



This preview shows how the XYZ color 24.6884, 29.2931, 19.9757 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 24.6884, 29.2931, 19.9757 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 24.6884, 29.2931, 19.9757

Background



This preview shows how black text looks on a background with the XYZ color 24.6884, 29.2931, 19.9757.



This preview shows how white text looks on a background with the XYZ color 24.6884, 29.2931,

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

24.6884, 29.2931, 19.9757

Protanopia

27.3487, 29.2623, 18.9586

Deuteranopia

29.6326, 29.0582, 20.2666



Tritanopia

28.1933, 29.2999, 36.9704

Trichromacy



Original Color

24.6884, 29.2931, 19.9757

Protanomaly

26.1944, 29.1266, 19.2803

Deuteranomaly

27.4607, 28.8366, 20.0383

Tritanomaly

26.6144, 29.1106, 29.8074

Monochromacy



Original Color

24.6884, 29.2931, 19.9757

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.6519, 28.2236, 26.2860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6884, 29.2931, 19.9757 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(137, 153, 113)` looks like.

```
.text, #text, p{  
    color:rgb(137, 153, 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(137, 153, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 153, 113) }
```

Border

The CSS property to change the border of an element to XYZ 24.6884, 29.2931, 19.9757 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(137, 153, 113) }
```


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

```
.border{ border-color:rgb(137, 153, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 153, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 153, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 153, 113);  
box-shadow:4px 4px 4px 4px rgb(137, 153,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6884, 29.2931, 19.9757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 153, 113) }
```

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

```
.background{ background-color: rgb(137,  
153, 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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