

Converting Colors

XYZ(22.7566, 29.3047, 19.2088)

Have a look what the booklet for
XYZ(22.7566, 29.3047, 19.2088)
contains.

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Color

**XYZ(22.7566, 29.3047,
19.2088)**

Conversions

Conversions Part 1

Format	Color
Hex	799D6E
RGB	121, 157, 110
RGB Percent	47%, 62%, 43%
CMY	0.5255, 0.3843, 0.5686
CMYK	0.23, 0.00, 0.30, 0.38
HSL	106°, 19%, 52%
HSV	106°, 30%, 62%
XYZ	22.7566, 29.3047, 19.2088
YIQ	140.8780, -6.3690, -22.2490

Conversions

Conversions Part 2

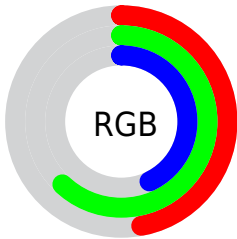
Format	Color
RYB	110, 157, 146
Decimal	7970158
CIELab	61.05, -21.64, 20.67
CIELCh	61, 29.925, 136.302
Yxy	29.3047, 0.3193, 0.4112
Android (android.graphics.Color)	4286160238 (0xFF799D6E)
YUV	140.8780, -15.2229, -17.4330
Hunter-Lab	54.1338, -19.6969, 16.8553

Details

The XYZ color **22.7566, 29.3047, 19.2088** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.5171, 19.6980, 34.4625**, and the grayscale version is **25.3298, 26.6489, 29.0207**.

A 20% lighter version of the original color is **47.5206, 58.6943, 43.0069**, and **8.5196, 11.7905, 6.3842** is the 20% darker color. If you saturate the color by 10%, you get **20.3950, 28.1783, 15.0247**, and if you desaturate by 10%, it is **25.4814, 30.6025, 24.2018**.

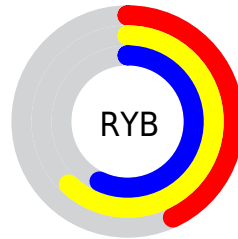
Distribution



Red (47%)

Green (62%)

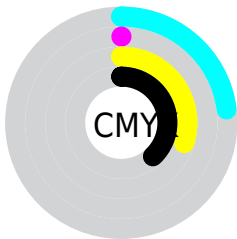
Blue (43%)



Red (43%)

Yellow (62%)

Blue (57%)

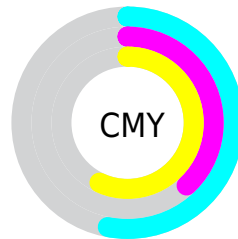


Cyan (23%)

Magenta (0%)

Yellow (30%)

Black (38%)



Cyan (53%)

Magenta (38%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7566, 29.3047, 19.2088 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 22.7566, 29.3047, 19.2088 by changing the saturation by 10% instead.

■ 22.7566, 29.3047,
19.2088

■ 22.7566, 29.3047,
19.2088

259.0311,
298.6499, 260.0601

■ 14.5336, 19.3114,
11.6429

■ 47.4630, 58.5608,
42.9280

■ 8.5769, 11.8955,
6.3814

■ 64.6770, 78.5925,
59.9184

■ 4.5211, 6.6726,
3.0059

■ 85.6188, 102.7391,
80.8874

■ 2.0010, 3.2582,
1.0976

■ 110.6537,
131.3851, 106.2535

■ 0.6345, 1.2680,
0.0000

140.1470,
164.9147, 136.4353

■ 0.0000, 0.1162,
0.0000

174.4641,

■ 0.0000, 0.0000,

203.7125, 171.8513

0.0000

213.9704,
248.1627, 212.9200

■ 22.7566, 29.3047,
19.2088

■ 22.7566, 29.3047,
19.2088

■ 20.3950, 28.1783,
15.0247

■ 25.4814, 30.6025,
24.2018

■ 18.3786, 27.2124,
11.6050

■ 28.5817, 32.0748,
30.0411

■ 16.6912, 26.4005,
8.9041

■ 32.0723, 33.7291,
36.7642

■ 15.3144, 25.7344,
6.8706

■ 35.9662, 35.5714,
44.4056

■ 14.2280, 25.2047,
5.4462

■ 40.2760, 37.6074,
52.9981

■ 13.4087, 24.8010,
4.5628

■ 45.0138, 39.8428,
62.5728

■ 12.8145, 24.5053,
4.0574

■ 50.1909, 42.2828,
73.1595

■ 12.8113, 24.5037,
4.0545

■ 55.8184, 44.9323,
84.7867

■ 61.9070, 47.7965,
97.4816

Harmonies

Analogous

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



25.7928, 29.3047, 15.3638



22.7566, 29.3047, 19.2088



21.1598, 29.3047, 27.0690

Triad

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



22.7566, 29.3047, 19.2088



26.1080, 29.3047, 57.7773



35.7228, 29.3047, 26.2298

Complementary

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



22.7566, 29.3047, 19.2088



23.5171, 19.6980, 34.4625

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.



35.8274, 29.3047, 37.2914



22.7566, 29.3047, 19.2088



30.0206, 29.3047, 57.4014

Square

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



22.7566, 29.3047, 19.2088



22.9687, 29.3047, 50.1747



33.6591, 29.3047, 49.2437



33.3854, 29.3047, 18.7191

Rectangle

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



22.7566, 29.3047, 19.2088



21.0197, 29.3047, 34.3337



33.6591, 29.3047, 49.2437



36.0273, 29.3047, 29.5990

Sweetspot

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



22.7574, 29.3060, 19.2094



51.6369, 57.6546, 54.6609



26.8840, 28.6225, 18.8600



11.1856, 12.6027, 11.6909



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.



22.7574, 29.3060, 19.2094



37.8266, 51.0847, 29.1834



21.9857, 28.8292, 22.7377



6.6888, 7.4722, 7.0754



10.4331, 19.9152, 3.2941



0.2199, 0.3733, 0.0605

Inverse Universe

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



23.5171, 19.6980, 34.4625



39.4045, 31.0157, 61.0365



24.6118, 20.3728, 29.5256



6.7523, 6.6763, 8.3395



11.2967, 5.2527, 26.3257



0.2361, 0.1115, 0.4723

Previews

White Background



This preview shows how the XYZ color 22.7566, 29.3047, 19.2088 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 22.7566, 29.3047, 19.2088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

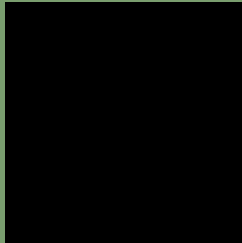
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.7566, 29.3047, 19.2088

Background



This preview shows how black text looks on a background with the XYZ color 22.7566, 29.3047, 19.2088.



This preview shows how white text looks on a background with the XYZ color 22.7566, 29.3047,

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

22.7566, 29.3047, 19.2088

Protanopia

27.1358, 29.1771, 17.8372

Deuteranopia

29.5188, 29.0127, 19.6670



Tritanopia

26.6339, 29.1672, 38.4085

Trichromacy



Original Color

22.7566, 29.3047, 19.2088

Protanomaly

25.3975, 29.2145, 18.2103

Deuteranomaly

26.4952, 28.8096, 19.4936

Tritanomaly

25.1016, 29.2777, 30.3148

Monochromacy



Original Color

22.7566, 29.3047, 19.2088

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.2945, 27.5475, 25.1558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7566, 29.3047, 19.2088 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(121, 157, 110)` looks like.

```
.text, #text, p{  
    color:rgb(121, 157, 110)  
}
```

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(121, 157, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 157, 110) }
```

Border

The CSS property to change the border of an element to XYZ 22.7566, 29.3047, 19.2088 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(121, 157, 110) }
```


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

```
.border{ border-color:rgb(121, 157, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 157, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 157, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 157, 110); box-shadow:4px 4px 4px 4px rgb(121, 157, 110) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7566, 29.3047, 19.2088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 157, 110) }
```

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

```
.background{ background-color: rgb(121,  
157, 110) }
```

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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