

Converting Colors

XYZ(22.1802, 28.8874, 21.0078)

Have a look what the booklet for
XYZ(22.1802, 28.8874, 21.0078)
contains.

XYZ(22.2796, 29.0197, 20.9501)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.2796, 29.0197,
20.9501)**

Conversions

Conversions Part 1

Format	Color
Hex	739D74
RGB	115, 157, 116
RGB Percent	45%, 62%, 45%
CMY	0.5490, 0.3843, 0.5451
CMYK	0.27, 0.00, 0.26, 0.38
HSL	121°, 18%, 53%
HSV	121°, 27%, 62%
XYZ	22.2796, 29.0197, 20.9501
YIQ	139.7680, -11.8710, -21.6550

Conversions

Conversions Part 2

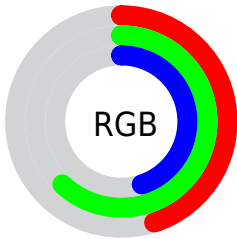
Format	Color
RYB	115, 156, 157
Decimal	7576948
CIELab	60.80, -22.74, 16.95
CIElCh	61, 28.362, 143.300
Yxy	29.0197, 0.3084, 0.4017
Android (android.graphics.Color)	4285767028 (0xFF739D74)
YUV	139.7680, -11.7176, -21.7215
Hunter-Lab	53.8699, -20.4481, 14.6510

Details

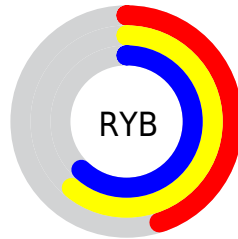
The XYZ color **22.2796, 29.0197, 20.9501** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.0371, 21.8305, 34.2952**, and the grayscale version is **24.8851, 26.1811, 28.5112**.

A 20% lighter version of the original color is **46.7598, 58.2390, 45.8225**, and **8.2749, 11.6443, 7.2803** is the 20% darker color. If you saturate the color by 10%, you get **19.5691, 27.7179, 16.5473**, and if you desaturate by 10%, it is **25.4904, 30.5641, 26.1454**.

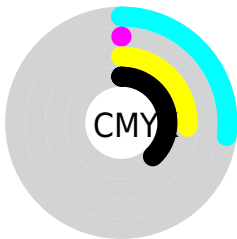
Distribution



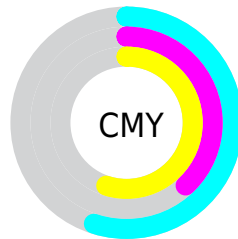
- Red (45%)
- Green (62%)
- Blue (45%)



- Red (45%)
- Yellow (61%)
- Blue (62%)



- Cyan (27%)
- Magenta (0%)
- Yellow (26%)
- Black (38%)



- Cyan (55%)
- Magenta (38%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2796, 29.0197, 20.9501 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 22.2796, 29.0197, 20.9501 by changing the saturation by 10% instead.

■ 22.2796, 29.0197,
20.9501

■ 22.2796, 29.0197,
20.9501

256.6080,
297.3079, 269.7855

■ 14.1802, 19.0957,
12.8966

■ 46.6831, 58.1084,
45.8842

■ 8.3287, 11.7395,
7.2275

■ 63.7180, 78.0419,
63.6019

■ 4.3595, 6.5665,
3.5242

■ 84.4620, 102.0807,
85.3781

■ 1.9075, 3.1925,
1.3681

■ 109.2807,
130.6092, 111.6313

■ 0.5812, 1.2331,
0.1167

138.5392,
164.0117, 142.7802

■ 0.0000, 0.0885,
0.0000

172.6030,

■ 0.0000, 0.0000,

202.6728, 179.2431

0.0000

211.8375,
246.9767, 221.4387

■ 22.2796, 29.0197,
20.9501

■ 22.2796, 29.0197,
20.9501

■ 19.5691, 27.7179,
16.5473

■ 25.4904, 30.5641,
26.1454

■ 17.3316, 26.6429,
12.8963

■ 29.2225, 32.3587,
32.1674

■ 15.5406, 25.7829,
9.9556

■ 33.4984, 34.4151,
39.0506

■ 14.1663, 25.1233,
7.6790

■ 38.3388, 36.7432,
46.8271

■ 13.1750, 24.6481,
6.0149

■ 43.7630, 39.3526,
55.5272

■ 12.5279, 24.3384,
4.9040

■ 49.7897, 42.2521,
65.1799

■ 12.1691, 24.1670,
4.2736

■ 56.4367, 45.4502,
75.8128

■ 12.0780, 24.1232,
4.1270

■ 63.7208, 48.9552,
87.4525

■ 71.1771, 52.5269,
100.1020

Harmonies

Analogous

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



24.8721, 29.0197, 16.3772



22.2796, 29.0197, 20.9501



21.1233, 29.0197, 29.2872

Triad

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



22.2796, 29.0197, 20.9501



26.7634, 29.0197, 56.3572



34.6197, 29.0197, 24.2276

Complementary

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



22.2796, 29.0197, 20.9501



26.0371, 21.8305, 34.2952

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.



35.2398, 29.0197, 34.0263



22.2796, 29.0197, 20.9501



30.4827, 29.0197, 54.1553

Square

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



22.2796, 29.0197, 20.9501



23.5586, 29.0197, 50.8327



33.6661, 29.0197, 45.3516



32.0400, 29.0197, 17.9539

Rectangle

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



22.2796, 29.0197, 20.9501



21.2421, 29.0197, 36.5023



33.6661, 29.0197, 45.3516



35.0732, 29.0197, 27.1530

Sweetspot

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



22.2804, 29.0209, 20.9507



51.3377, 57.4703, 56.0029



28.9211, 32.4511, 20.9594



11.0787, 12.5412, 11.9718



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.



22.2804, 29.0209, 20.9507



36.9475, 50.5522, 32.7275



23.6219, 29.5575, 28.0152



6.5568, 7.4035, 7.1009



9.8111, 19.5924, 3.3623



0.1771, 0.3510, 0.0689

Inverse Universe

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



26.0371, 21.8305, 34.2952



44.8074, 35.5070, 60.6459



24.4306, 21.1879, 25.8354



6.8973, 6.7519, 8.3105



15.9825, 7.6976, 25.2227



0.2877, 0.1384, 0.4611

Previews

White Background



This preview shows how the XYZ color 22.2796, 29.0197, 20.9501 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 22.2796, 29.0197, 20.9501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

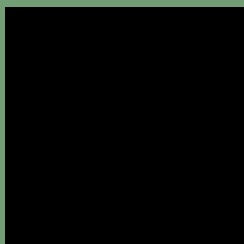
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.2796, 29.0197, 20.9501

Background



This preview shows how black text looks on a background with the XYZ color 22.2796, 29.0197, 20.9501.



This preview shows how white text looks on a background with the XYZ color 22.2796, 29.0197,

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

22.2796, 29.0197, 20.9501

Protanopia

26.8584, 28.7734, 19.1772

Deuteranopia

29.3458, 28.6583, 21.7542



Tritanopia

25.8458, 28.9885, 38.8835

Trichromacy



Original Color

22.2796, 29.0197, 20.9501

Protanomaly

24.8715, 28.6677, 19.8453

Deuteranomaly

26.1863, 28.3737, 21.5493

Tritanomaly

24.3253, 28.8509, 31.4808

Monochromacy



Original Color

22.2796, 29.0197, 20.9501

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.7357, 27.0218, 25.4374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2796, 29.0197, 20.9501 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(115, 157, 116)` looks like.

```
.text, #text, p{  
    color:rgb(115, 157, 116)  
}
```

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(115, 157, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 157, 116) }
```

Border

The CSS property to change the border of an element to XYZ 22.2796, 29.0197, 20.9501 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(115, 157, 116) }
```


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

```
.border{ border-color:rgb(115, 157, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 157, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 157, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 157, 116);  
box-shadow:4px 4px 4px 4px rgb(115, 157,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2796, 29.0197, 20.9501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 157, 116) }
```

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

```
.background{ background-color: rgb(115,  
157, 116) }
```

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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