

Converting Colors

XYZ(22.6707, 28.8662, 20.6289)

Have a look what the booklet for
XYZ(22.6707, 28.8662, 20.6289)
contains.

XYZ(22.7287, 29.0078, 20.6208)	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(22.7287, 29.0078,
20.6208)**

Conversions

Conversions Part 1

Format	Color
Hex	789C73
RGB	120, 156, 115
RGB Percent	47%, 61%, 45%
CMY	0.5294, 0.3882, 0.5490
CMYK	0.23, 0.00, 0.26, 0.39
HSL	113°, 17%, 53%
HSV	113°, 26%, 61%
XYZ	22.7287, 29.0078, 20.6208
YIQ	140.5620, -8.2950, -20.3830

Conversions

Conversions Part 2

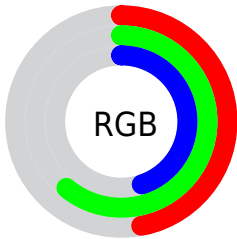
Format	Color
R_{YB}	115, 156, 151
Decimal	7904371
CIE _{Lab}	60.79, -20.64, 17.54
CIE _{LCh}	61, 27.084, 139.638
Yxy	29.0078, 0.3141, 0.4009
Android (android.graphics.Color)	4286094451 (0xFF789C73)
YUV	140.5620, -12.6021, -18.0329
Hunter-Lab	53.8589, -18.9252, 15.0010

Details

The XYZ color **22.7287, 29.0078, 20.6208** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.8952, 21.2419, 34.2420**, and the grayscale version is **25.1967, 26.5089, 28.8682**.

A 20% lighter version of the original color is **47.5029, 58.2628, 45.3014**, and **8.5905, 11.8105, 7.1371** is the 20% darker color. If you saturate the color by 10%, you get **20.1403, 27.7694, 16.2037**, and if you desaturate by 10%, it is **25.7424, 30.4496, 25.8521**.

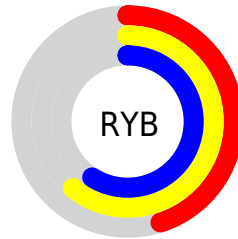
Distribution



Red (47%)

Green (61%)

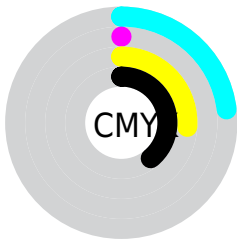
Blue (45%)



Red (45%)

Yellow (61%)

Blue (59%)

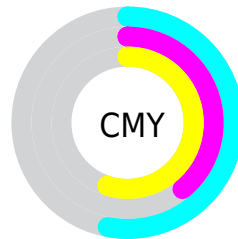


Cyan (23%)

Magenta (0%)

Yellow (26%)

Black (39%)



Cyan (53%)

Magenta (39%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7287, 29.0078, 20.6208 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 22.7287, 29.0078, 20.6208 by changing the saturation by 10% instead.

■ 22.7287, 29.0078,
20.6208

■ 22.7287, 29.0078,
20.6208

258.8899,
297.2518, 267.9709

■ 14.5129, 19.0867,
12.6586

■ 47.4174, 58.0895,
45.3281

■ 8.5623, 11.7330,
7.0659

■ 64.6210, 78.0189,
62.9103

■ 4.5116, 6.5621,
3.4243

■ 85.5513, 102.0531,
84.5363

■ 1.9955, 3.1898,
1.3151

110.5736,
130.5767, 110.6245

■ 0.6314, 1.2316,
0.0742

140.0532,
163.9740, 141.5935

■ 0.0000, 0.0873,
0.0000

174.3556,

■ 0.0000, 0.0000,

202.6293, 177.8619

0.0000

213.8460,
246.9271, 219.8482

■ 22.7287, 29.0078,
20.6208

■ 22.7287, 29.0078,
20.6208

■ 20.1403, 27.7694,
16.2037

■ 25.7424, 30.4496,
25.8521

■ 17.9557, 26.7216,
12.5581

■ 29.1971, 32.0995,
31.9336

■ 16.1552, 25.8561,
9.6402

■ 33.1103, 33.9667,
38.9016

■ 14.7162, 25.1624,
7.4013

■ 37.4980, 36.0586,
46.7895

■ 13.6140, 24.6288,
5.7865

■ 42.3755, 38.3824,
55.6291

■ 12.8205, 24.2422,
4.7325

■ 47.7573, 40.9450,
65.4507

■ 12.3002, 23.9864,
4.1481

■ 53.6572, 43.7529,
76.2832

■ 12.1580, 23.9167,
3.9756

■ 60.0888, 46.8124,
88.1543

■ 66.9996, 50.1035,
100.7474

Harmonies

Analogous

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



25.3584, 29.0078, 16.6197



22.7287, 29.0078, 20.6208



21.4347, 29.0078, 28.2246

Triad

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



22.7287, 29.0078, 20.6208



26.3714, 29.0078, 54.7469



34.4496, 29.0078, 25.5078

Complementary

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



22.7287, 29.0078, 20.6208



24.8952, 21.2419, 34.2420

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.



34.7793, 29.0078, 35.2011



22.7287, 29.0078, 20.6208



29.9088, 29.0078, 53.5846

Square

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



22.7287, 29.0078, 20.6208



23.4159, 29.0078, 48.7763



33.0565, 29.0078, 45.8746



32.1907, 29.0078, 18.9973

Rectangle

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



22.7287, 29.0078, 20.6208



21.4221, 29.0078, 34.9421



33.0565, 29.0078, 45.8746



34.7966, 29.0078, 28.4493

Sweetspot

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



22.7295, 29.0090, 20.6214



51.7883, 57.7075, 55.8054



27.7977, 30.2904, 20.6016



11.1930, 12.6014, 11.9218



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.



22.7295, 29.0090, 20.6214



38.2078, 51.2151, 32.1907



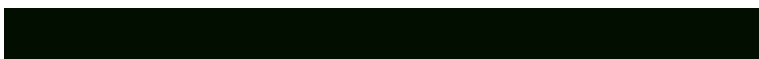
22.9911, 29.0357, 25.5243



6.6222, 7.4379, 7.0723



10.0310, 19.7079, 3.2753



0.1984, 0.3622, 0.0595

Inverse Universe

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



24.8952, 21.2419, 34.2420



42.8667, 34.4851, 61.5237



24.6473, 21.2522, 27.9904



6.8245, 6.7135, 8.3428



13.4571, 6.3664, 26.4268



0.2608, 0.1243, 0.4735

Previews

White Background



This preview shows how the XYZ color 22.7287, 29.0078, 20.6208 looks on a white background.

Color Contrast Check

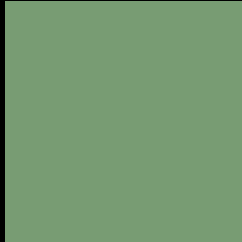
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7287, 29.0078, 20.6208 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 22.7287, 29.0078, 20.6208

Background



This preview shows how black text looks on a background with the XYZ color 22.7287, 29.0078, 20.6208.



This preview shows how white text looks on a background with the XYZ color 22.7287, 29.0078,

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

22.7287, 29.0078, 20.6208

Protanopia

26.8037, 28.7515, 18.8887

Deuteranopia

29.2257, 28.6102, 21.1215



Tritanopia

26.3300, 29.0105, 38.3943

Trichromacy



Original Color

22.7287, 29.0078, 20.6208

Protanomaly

25.1587, 28.8222, 19.5665

Deuteranomaly

26.4387, 28.5175, 20.9406

Tritanomaly

24.7965, 28.8608, 31.0518

Monochromacy



Original Color

22.7287, 29.0078, 20.6208

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.1166, 27.2103, 25.8108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7287, 29.0078, 20.6208 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(120, 156, 115)` looks like.

```
.text, #text, p{  
    color:rgb(120, 156, 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(120, 156, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 156, 115) }
```

Border

The CSS property to change the border of an element to XYZ 22.7287, 29.0078, 20.6208 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(120, 156, 115) }
```


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

```
.border{ border-color:rgb(120, 156, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 156, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 156, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 156, 115);  
box-shadow:4px 4px 4px 4px rgb(120, 156,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7287, 29.0078, 20.6208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 156, 115) }
```

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

```
.background{ background-color: rgb(120,  
156, 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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