

Converting Colors

XYZ(21.1958, 28.4720, 29.8598)

Have a look what the booklet for
XYZ(21.1958, 28.4720, 29.8598)
contains.

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Color

**XYZ(21.2292, 28.5306,
29.9792)**

Conversions

Conversions Part 1

Format	Color
Hex	599E8E
RGB	89, 158, 142
RGB Percent	35%, 62%, 56%
CMY	0.6510, 0.3804, 0.4431
CMYK	0.44, 0.00, 0.10, 0.38
HSL	166°, 28%, 48%
HSV	166°, 44%, 62%
XYZ	21.2292, 28.5306, 29.9792
YIQ	135.5450, -35.9880, -19.6040

Conversions

Conversions Part 2

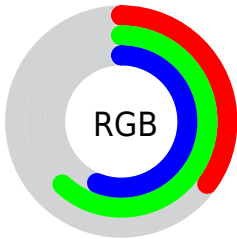
Format	Color
R_{YB}	89, 128, 158
Decimal	5873294
CIE _{Lab}	60.37, -25.79, 1.55
CIE _{LCh}	60, 25.840, 176.556
Yxy	28.5306, 0.2662, 0.3578
Android (android.graphics.Color)	4284063374 (0xFF599E8E)
YUV	135.5450, 3.1823, -40.8200
Hunter-Lab	53.4140, -22.5305, 4.1127

Details

The XYZ color **21.2292, 28.5306, 29.9792** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.2238, 15.4346, 15.2791**, and the grayscale version is **23.2306, 24.4404, 26.6156**.

A 20% lighter version of the original color is **45.0857, 57.4137, 60.9302**, and **7.7789, 11.4381, 11.9230** is the 20% darker color. If you saturate the color by 10%, you get **19.6023, 27.7239, 28.4909**, and if you desaturate by 10%, it is **23.1922, 29.5110, 31.5317**.

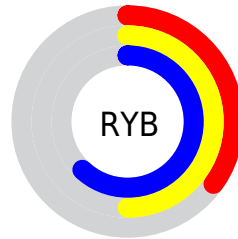
Distribution



Red (35%)

Green (62%)

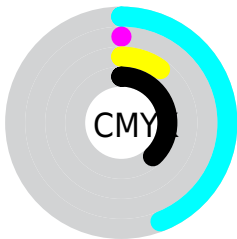
Blue (56%)



Red (35%)

Yellow (50%)

Blue (62%)

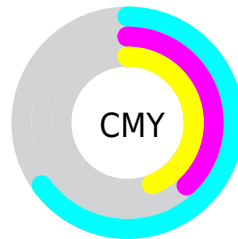


Cyan (44%)

Magenta (0%)

Yellow (10%)

Black (38%)



Cyan (65%)

Magenta (38%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2292, 28.5306, 29.9792 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 21.2292, 28.5306, 29.9792 by changing the saturation by 10% instead.

■ 21.2292, 28.5306,
29.9792

■ 21.2292, 28.5306,
29.9792

251.2028,
294.9937, 316.0118

■ 13.4051, 18.7260,
19.5709

■ 44.9571, 57.3305,
60.6899

■ 7.7870, 11.4725,
11.9025

■ 61.5915, 77.0945,
81.8294

■ 4.0096, 6.3856,
6.5556

■ 81.8935, 100.9472,
107.3830

■ 1.7076, 3.0809,
3.1116

■ 106.2282,
129.2729, 137.7692

■ 0.4610, 1.1741,
1.1519

134.9612,
162.4560, 173.4067

■ 0.0000, 0.0404,
0.0000

168.4577,

■ 0.0000, 0.0000,

200.8809, 214.7139

0.0000

207.0831,
244.9320, 262.1094

■ 21.2292, 28.5306,
29.9792

■ 21.2292, 28.5306,
29.9792

■ 19.6023, 27.7239,
28.4909

■ 23.1922, 29.5110,
31.5317

■ 18.2879, 27.0765,
27.0634

■ 25.5082, 30.6715,
33.1477

■ 17.2633, 26.5775,
25.6958

■ 28.1956, 32.0225,
34.8292

■ 16.5016, 26.2130,
24.3864

■ 31.2711, 33.5725,
36.5774

■ 15.9704, 25.9664,
23.1331

■ 34.7501, 35.3294,
38.3935

■ 15.7007, 25.8441,
22.3662

■ 38.6473, 37.3008,
40.2784

■ 42.9767, 39.4939,
42.2334

■ 47.7515, 41.9155,
44.2594

■ 52.9845, 44.5722,
46.3575

Harmonies

Analogous

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



22.1300, 28.5306, 22.0360



21.2292, 28.5306, 29.9792



21.7967, 28.5306, 39.9803

Triad

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



21.2292, 28.5306, 29.9792



30.0740, 28.5306, 50.4653



30.7916, 28.5306, 18.1662

Complementary

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



21.2292, 28.5306, 29.9792



20.2238, 15.4346, 15.2791

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.



33.2405, 28.5306, 23.5845



21.2292, 28.5306, 29.9792



32.8031, 28.5306, 42.2744

Square

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



21.2292, 28.5306, 29.9792



26.7357, 28.5306, 53.1318



34.0048, 28.5306, 32.1767



27.5029, 28.5306, 16.1511

Rectangle

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



21.2292, 28.5306, 29.9792



22.9588, 28.5306, 46.3263



34.0048, 28.5306, 32.1767



31.7503, 28.5306, 19.5879

Sweetspot

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



21.2300, 28.5317, 29.9799



51.4193, 58.2603, 63.3769



19.8684, 28.1855, 13.8449



11.3464, 13.0109, 14.1408



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.2300, 28.5317, 29.9799



35.7718, 50.4313, 51.9108



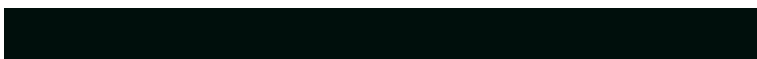
19.6120, 23.2330, 35.7999



6.7560, 7.4832, 8.1497



12.5897, 20.7038, 17.9943



0.2399, 0.3761, 0.3999

Inverse Universe

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



20.2238, 15.4346, 15.2791



33.7235, 23.6082, 21.8656



21.2042, 18.5903, 11.9225



6.6930, 6.6701, 7.2343



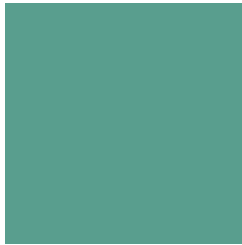
11.5692, 5.9323, 1.9827



0.2214, 0.1119, 0.1118

Previews

White Background



This preview shows how the XYZ color 21.2292, 28.5306, 29.9792 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 21.2292, 28.5306, 29.9792 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 21.2292, 28.5306, 29.9792

Background



This preview shows how black text looks on a background with the XYZ color 21.2292, 28.5306, 29.9792.

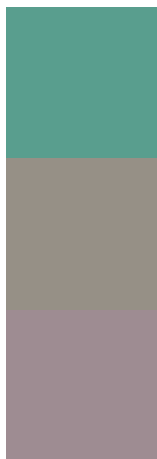


This preview shows how white text looks on a background with the XYZ color 21.2292, 28.5306,

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

21.2292, 28.5306, 29.9792

Protanopia

26.8540, 28.1518, 26.5727

Deuteranopia

28.6669, 28.1006, 31.1072



Tritanopia

23.3545, 28.3880, 40.8077

Trichromacy



Original Color

21.2292, 28.5306, 29.9792

Protanomaly

24.1649, 27.8902, 27.7766

Deuteranomaly

25.2174, 27.8983, 30.8439

Tritanomaly

22.4071, 28.2385, 36.6173

Monochromacy



Original Color

21.2292, 28.5306, 29.9792

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.1685, 25.7034, 27.8376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2292, 28.5306, 29.9792 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(89, 158, 142)` looks like.

```
.text, #text, p{  
    color:rgb(89, 158, 142)  
}
```

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(89, 158, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 158, 142) }
```

Border

The CSS property to change the border of an element to XYZ 21.2292, 28.5306, 29.9792 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(89, 158, 142) }
```


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

```
.border{ border-color:rgb(89, 158, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 158, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 158, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 158, 142);  
box-shadow:4px 4px 4px 4px rgb(89, 158,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2292, 28.5306, 29.9792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 158, 142) }
```

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

```
.background{ background-color: rgb(89, 158,  
142) }
```

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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