

Converting Colors

XYZ(28.1115, 29.8267, 44.0139)

Have a look what the booklet for
XYZ(28.1115, 29.8267, 44.0139)
contains.

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Color

**XYZ(28.1220, 29.8164,
43.8081)**

Conversions

Conversions Part 1

Format	Color
Hex	8596AD
RGB	133, 150, 173
RGB Percent	52%, 59%, 68%
CMY	0.4784, 0.4118, 0.3216
CMYK	0.23, 0.13, 0.00, 0.32
HSL	214°, 20%, 60%
HSV	214°, 23%, 68%
XYZ	28.1220, 29.8164, 43.8081
YIQ	147.5390, -17.5150, 3.5490

Conversions

Conversions Part 2

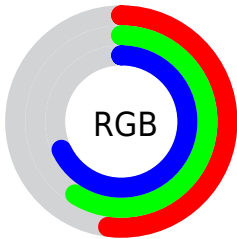
Format	Color
RYB	133, 145, 173
Decimal	8754861
CIELab	61.50, -0.86, -14.04
CIELCh	61, 14.061, 266.505
Yxy	29.8164, 0.2764, 0.2930
Android (android.graphics.Color)	4286944941 (0xFF8596AD)
YUV	147.5390, 12.5523, -12.7507
Hunter-Lab	54.6044, -3.6278, -9.3442

Details

The XYZ color **28.1220, 29.8164, 43.8081** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.3559, 34.3545, 27.0639**, and the grayscale version is **27.9119, 29.3655, 31.9791**.

A 20% lighter version of the original color is **56.0900, 59.3520, 81.8986**, and **11.4803, 12.1432, 19.8279** is the 20% darker color. If you saturate the color by 10%, you get **24.0921, 25.4825, 43.1845**, and if you desaturate by 10%, it is **32.7383, 34.6541, 44.4991**.

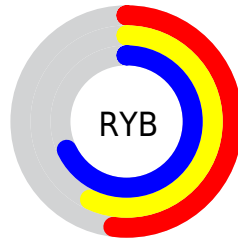
Distribution



Red (52%)

Green (59%)

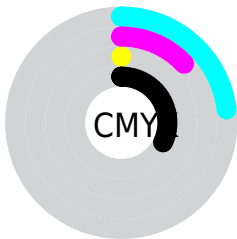
Blue (68%)



Red (52%)

Yellow (57%)

Blue (68%)

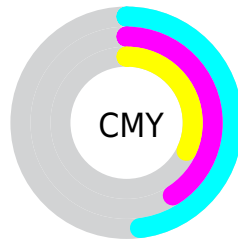


Cyan (23%)

Magenta (13%)

Yellow (0%)

Black (32%)



Cyan (48%)

Magenta (41%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1220, 29.8164, 43.8081 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 28.1220, 29.8164, 43.8081 by changing the saturation by 10% instead.

■ 28.1220, 29.8164,
43.8081

■ 28.1220, 29.8164,
43.8081

285.1189,
301.0477, 377.9430

■ 18.5586, 19.6993,
30.1836

■ 56.0864, 59.3717,
82.2283

■ 11.4539, 12.1766,
19.7247

■ 75.2182, 79.5787,
107.8611

■ 6.4425, 6.8641,
12.0130

■ 98.2700, 103.9177,
138.3337

■ 3.1592, 3.3772,
6.6299

125.6074,
132.7732, 174.0646

■ 1.2385, 1.3317,
3.1568

157.5956,
166.5296, 215.4725

■ 0.1364, 0.1656,
1.1753

194.6000,

■ 0.0000, 0.0000,

205.5712, 262.9758

0.0000

236.9860,
250.2824, 316.9932

■ 28.1220, 29.8164,
43.8081

■ 28.1220, 29.8164,
43.8081

■ 24.0921, 25.4825,
43.1845

■ 32.7383, 34.6541,
44.4991

■ 20.6206, 21.6308,
42.6240

■ 37.9621, 40.0091,
45.2574

■ 17.6811, 18.2432,
42.1250

■ 43.8165, 45.8986,
46.0856

■ 15.2437, 15.2992,
41.6852

■ 50.3227, 52.3379,
46.9856

■ 13.2755, 12.7759,
41.3020

■ 57.5010, 59.3419,
47.9591

■ 11.7388, 10.6483,
40.9723

■ 65.3704, 66.9246,
49.0080

■ 10.5895, 8.8873,
40.6929

■ 73.9496, 75.0997,
50.1338

■ 9.9607, 7.8528,
40.5264

■ 76.9621, 80.6355,
51.0435

■ 79.8029, 86.3171,
51.9904

Harmonies

Analogous

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



26.4100, 29.8164, 41.7849



28.1220, 29.8164, 43.8081



29.9670, 29.8164, 42.5285

Triad

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



28.1220, 29.8164, 43.8081



31.6645, 29.8164, 28.1021



25.4585, 29.8164, 27.1307

Complementary

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



28.1220, 29.8164, 43.8081



33.3559, 34.3545, 27.0639

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.



26.7722, 29.8164, 24.1292



28.1220, 29.8164, 43.8081



30.3609, 29.8164, 24.6455

Square

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



28.1220, 29.8164, 43.8081



32.0641, 29.8164, 33.0938



28.5583, 29.8164, 23.2713



24.9153, 29.8164, 31.8442

Rectangle

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



28.1220, 29.8164, 43.8081



31.0160, 29.8164, 40.0432



28.5583, 29.8164, 23.2713



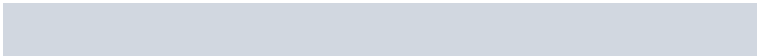
25.8218, 29.8164, 25.9088

Sweetspot

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



28.1229, 29.8176, 43.8088



64.1107, 67.7028, 80.4947



30.5895, 37.2632, 36.8855



13.8168, 14.5947, 17.4765



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



28.1229, 29.8176, 43.8088



46.3635, 49.1237, 77.8440



26.0302, 24.9992, 42.9890



7.8483, 8.2959, 10.1403



7.3719, 5.8776, 29.7905



0.2600, 0.2734, 0.8471

Inverse Universe

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



31.1268, 27.8620, 32.5929



52.8157, 45.2427, 53.6815



35.8274, 40.1644, 28.0551



8.1412, 8.0697, 9.0545



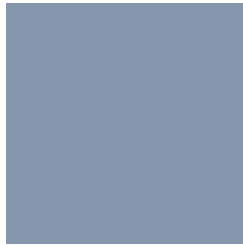
13.5846, 6.8964, 5.4580



0.4056, 0.2029, 0.2979

Previews

White Background



This preview shows how the XYZ color 28.1220, 29.8164, 43.8081 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 28.1220, 29.8164, 43.8081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

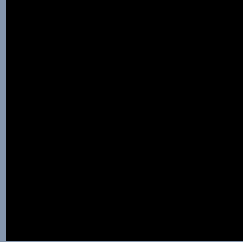
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.1220, 29.8164, 43.8081

Background



This preview shows how black text looks on a background with the XYZ color 28.1220, 29.8164, 43.8081.



This preview shows how white text looks on a background with the XYZ color 28.1220, 29.8164,

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

28.1220, 29.8164, 43.8081

Protanopia

29.2860, 29.7370, 42.7244

Deuteranopia

30.3431, 29.7908, 44.1954



Tritanopia

27.2891, 29.9621, 39.4669

Trichromacy



Original Color

28.1220, 29.8164, 43.8081

Protanomaly

28.8515, 29.7338, 43.2483

Deuteranomaly

29.5753, 29.8527, 44.2478

Tritanomaly

27.5574, 29.8288, 40.8643

Monochromacy



Original Color

28.1220, 29.8164, 43.8081

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.1609, 29.7689, 36.1600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1220, 29.8164, 43.8081 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(133, 150, 173)` looks like.

```
.text, #text, p{  
    color:rgb(133, 150, 173)  
}
```

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(133, 150, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 150, 173) }
```

Border

The CSS property to change the border of an element to XYZ 28.1220, 29.8164, 43.8081 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(133, 150, 173) }
```


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

```
.border{ border-color:rgb(133, 150, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 150, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 150, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 150, 173);  
box-shadow:4px 4px 4px 4px rgb(133, 150,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1220, 29.8164, 43.8081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 150, 173) }
```

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

```
.background{ background-color: rgb(133,  
150, 173) }
```

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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