

Converting Colors

XYZ(20.4141, 28.1233, 28.5084)

Have a look what the booklet for
XYZ(20.4141, 28.1233, 28.5084)
contains.

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Color

**XYZ(20.3816, 28.1277,
28.3997)**

Conversions

Conversions Part 1

Format	Color
Hex	539E8A
RGB	83, 158, 138
RGB Percent	33%, 62%, 54%
CMY	0.6745, 0.3804, 0.4588
CMYK	0.47, 0.00, 0.13, 0.38
HSL	164°, 31%, 47%
HSV	164°, 47%, 62%
XYZ	20.3816, 28.1277, 28.3997
YIQ	133.2950, -38.2800, -22.1200

Conversions

Conversions Part 2

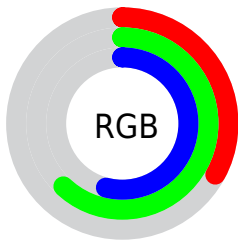
Format	Color
R_{YB}	83, 126, 158
Decimal	5480074
CIE _{Lab}	60.00, -28.33, 3.26
CIE _{LCh}	60, 28.515, 173.444
Yxy	28.1277, 0.2650, 0.3657
Android (android.graphics.Color)	4283670154 (0xFF539E8A)
YUV	133.2950, 2.3196, -44.1087
Hunter-Lab	53.0356, -24.2145, 5.3760

Details

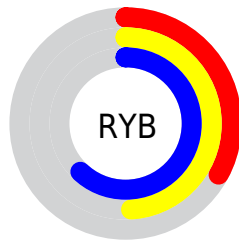
The XYZ color **20.3816, 28.1277, 28.3997** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.6430, 14.4357, 14.5842**, and the grayscale version is **22.4043, 23.5711, 25.6689**.

A 20% lighter version of the original color is **43.5147, 56.6685, 57.9349**, and **7.3415, 11.2323, 11.0136** is the 20% darker color. If you saturate the color by 10%, you get **18.8442, 27.3705, 26.7664**, and if you desaturate by 10%, it is **22.2501, 29.0557, 30.1115**.

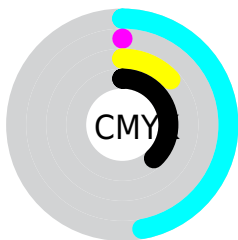
Distribution



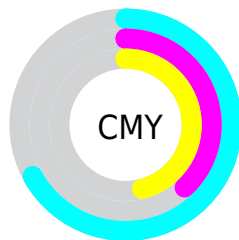
- Red (33%)
- Green (62%)
- Blue (54%)



- Red (33%)
- Yellow (49%)
- Blue (62%)



- Cyan (47%)
- Magenta (0%)
- Yellow (13%)
- Black (38%)



- Cyan (67%)
- Magenta (38%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3816, 28.1277, 28.3997 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 20.3816, 28.1277, 28.3997 by changing the saturation by 10% instead.

■ 20.3816, 28.1277,
28.3997

■ 20.3816, 28.1277,
28.3997

246.7679,
293.0766, 308.3437

■ 12.7826, 18.4219,
18.3855

■ 43.5551, 56.6883,
58.1527

■ 7.3550, 11.2533,
11.0548

■ 59.8604, 76.3118,
78.7286

■ 3.7334, 6.2375,
5.9891

■ 79.7984, 100.0102,
103.6622

■ 1.5524, 2.9900,
2.7698

■ 103.7346,
128.1676, 133.3719

■ 0.3611, 1.1265,
0.9783

■ 132.0343,
161.1686, 168.2764

■ 0.0000, 0.0004,
0.0000

165.0628,

■ 0.0000, 0.0000,

199.3975, 208.7942

0.0000

203.1856,
243.2387, 255.3438

■ 20.3816, 28.1277,
28.3997

■ 20.3816, 28.1277,
28.3997

■ 18.8442, 27.3705,
26.7664

■ 22.2501, 29.0557,
30.1115

■ 17.6136, 26.7693,
25.2080

■ 24.4672, 30.1614,
31.9015

■ 16.6658, 26.3125,
23.7233


■ 27.0522, 31.4553,
33.7718


■ 15.9720, 25.9854,
22.3101


■ 30.0220, 32.9461,
35.7240


■ 15.4843, 25.7633,
20.9655


■ 33.3925, 34.6421,
37.7593

 15.3719, 25.7125,
20.6348

 37.1789, 36.5511,
39.8793

 41.3953, 38.6802,
42.0850

 46.0552, 41.0366,
44.3779

 51.1718, 43.6269,
46.7591

Harmonies

Analogous

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



21.5098, 28.1277, 20.1948



20.3816, 28.1277, 28.3997



20.8276, 28.1277, 39.2890

Triad

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



20.3816, 28.1277, 28.3997



29.6092, 28.1277, 52.8746



31.1118, 28.1277, 17.2100

Complementary

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



20.3816, 28.1277, 28.3997



19.6430, 14.4357, 14.5842

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.



33.6644, 28.1277, 23.3408



20.3816, 28.1277, 28.3997



32.7434, 28.1277, 44.1445

Square

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



20.3816, 28.1277, 28.3997



25.9453, 28.1277, 55.0919



34.2869, 28.1277, 32.9663



27.5396, 28.1277, 14.7484

Rectangle

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



20.3816, 28.1277, 28.3997



21.9795, 28.1277, 46.5341



34.2869, 28.1277, 32.9663



32.1302, 28.1277, 18.8328

Sweetspot

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



20.3824, 28.1288, 28.4003



50.7700, 57.9455, 62.4431



19.5271, 28.0375, 12.5667



11.2066, 12.9436, 13.9162



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.



20.3824, 28.1288, 28.4003



34.0590, 49.6238, 48.4189



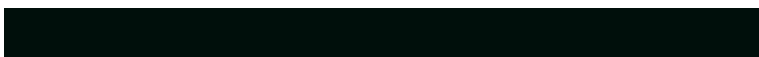
19.3756, 23.5804, 35.8793



6.7463, 7.4793, 8.0985



12.3277, 20.5990, 16.6147



0.2368, 0.3749, 0.3832

Inverse Universe

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



19.6430, 14.4357, 14.5842



32.5669, 21.6762, 20.3051



20.1484, 16.8656, 10.3776



6.7021, 6.6738, 7.2824



11.6443, 5.9623, 2.3779



0.2243, 0.1130, 0.1272

Previews

White Background



This preview shows how the XYZ color 20.3816, 28.1277, 28.3997 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 20.3816, 28.1277, 28.3997 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 20.3816, 28.1277, 28.3997

Background



This preview shows how black text looks on a background with the XYZ color 20.3816, 28.1277, 28.3997.

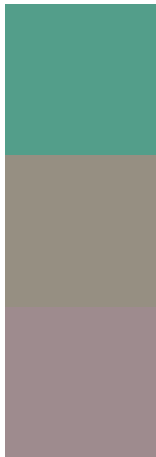


This preview shows how white text looks on a background with the XYZ color 20.3816, 28.1277,

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

20.3816, 28.1277, 28.3997

Protanopia

26.4294, 27.7407, 25.0806

Deuteranopia

28.2157, 27.6873, 29.4482



Tritanopia

22.7529, 28.0885, 40.2988

Trichromacy



Original Color

20.3816, 28.1277, 28.3997

Protanomaly

23.4277, 27.3089, 26.2267

Deuteranomaly

24.4467, 27.3062, 29.1814

Tritanomaly

21.7466, 27.9177, 35.6950

Monochromacy



Original Color

20.3816, 28.1277, 28.3997

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.1164, 24.7401, 26.5840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3816, 28.1277, 28.3997 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(83, 158, 138)` looks like.

```
.text, #text, p{  
    color:rgb(83, 158, 138)  
}
```

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(83, 158, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 158, 138) }
```

Border

The CSS property to change the border of an element to XYZ 20.3816, 28.1277, 28.3997 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(83, 158, 138) }
```


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

```
.border{ border-color:rgb(83, 158, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 158, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 158, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 158, 138);  
box-shadow:4px 4px 4px 4px rgb(83, 158,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3816, 28.1277, 28.3997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 158, 138) }
```

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

```
.background{ background-color: rgb(83, 158,  
138) }
```

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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