

Converting Colors

XYZ(20.3380, 30.1974, 28.8015)

Have a look what the booklet for
XYZ(20.3380, 30.1974, 28.8015)
contains.

XYZ(20.3380, 30.1974, 28.8015)	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(20.3380, 30.1974,
28.8015)**

Conversions

Conversions Part 1

Format	Color
Hex	40A68A
RGB	64, 166, 138
RGB Percent	25%, 65%, 54%
CMY	0.7490, 0.3490, 0.4588
CMYK	0.61, 0.00, 0.17, 0.35
HSL	164°, 44%, 45%
HSV	164°, 61%, 65%
XYZ	20.3380, 30.1974, 28.8015
YIQ	132.3100, -51.8040, -30.3320

Conversions

Conversions Part 2

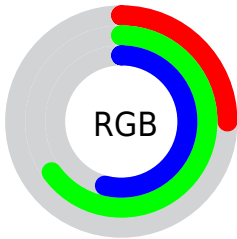
Format	Color
RYB	64, 123, 166
Decimal	4236938
CIELab	61.82, -36.39, 5.79
CIElCh	62, 36.846, 170.952
Yxy	30.1974, 0.2563, 0.3806
Android (android.graphics.Color)	4282427018 (0xFF40A68A)
YUV	132.3100, 2.8052, -59.9079
Hunter-Lab	54.9522, -30.1028, 7.3915

Details

The XYZ color **20.3380, 30.1974, 28.8015** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **19.4920, 12.5472, 11.5208**, and the grayscale version is **22.0484, 23.1966, 25.2611**.

A 20% lighter version of the original color is **43.5513, 60.1417, 58.6033**, and **7.6666, 12.5148, 11.2441** is the 20% darker color. If you saturate the color by 10%, you get **19.0921, 29.5932, 27.0573**, and if you desaturate by 10%, it is **21.9207, 30.9752, 30.6351**.

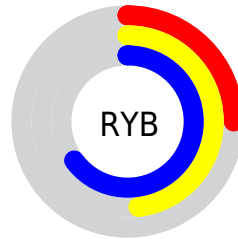
Distribution



Red (25%)

Green (65%)

Blue (54%)



Red (25%)

Yellow (48%)

Blue (65%)

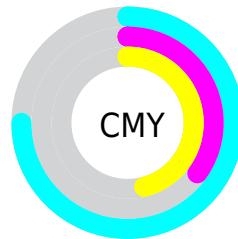


Cyan (61%)

Magenta (0%)

Yellow (17%)

Black (35%)



Cyan (75%)

Magenta (35%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3380, 30.1974, 28.8015 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 20.3380, 30.1974, 28.8015 by changing the saturation by 10% instead.

■ 20.3380, 30.1974,
28.8015

■ 20.3380, 30.1974,
28.8015

246.5379,
302.8235, 310.3088

■ 12.7507, 19.9885,
18.6864

■ 43.4828, 59.9742,
58.8000

■ 7.3329, 12.3867,
11.2694

■ 59.7709, 80.3109,
79.5205

■ 3.7193, 7.0076,
6.1319

■ 79.6901, 104.7923,
104.6132

■ 1.5446, 3.4668,
2.8554

■ 103.6055,
133.8027, 134.4966

■ 0.3559, 1.3800,
1.0213

■ 131.8827,
167.7267, 169.5894

■ 0.0000, 0.2019,
0.0000

164.8869,

■ 0.0000, 0.0000,

206.9486, 210.3099

0.0000

202.9835,
251.8527, 257.0769

■ 20.3380, 30.1974,
28.8015

■ 20.3380, 30.1974,
28.8015

■ 19.0921, 29.5932,
27.0573

■ 21.9207, 30.9752,
30.6351

■ 18.1508, 29.1437,
25.3981

■ 23.8638, 31.9363,
32.5580

■ 17.4800, 28.8321,
23.8221

■ 26.1914, 33.0941,
34.5729

■ 17.0531, 28.6400,
22.5360

■ 28.9251, 34.4594,
36.6816

■ 32.0845, 36.0427,
38.8859

■ 35.6881, 37.8532,
41.1874

■ 39.7534, 39.9000,
43.5878

■ 44.2966, 42.1915,
46.0885

■ 49.3335, 44.7357,
48.6911

Harmonies

Analogous

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



21.9653, 30.1974, 18.5977



20.3380, 30.1974, 28.8015



20.7442, 30.1974, 43.5481

Triad

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



20.3380, 30.1974, 28.8015



32.2184, 30.1974, 65.2173



35.0817, 30.1974, 16.0109

Complementary

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



20.3380, 30.1974, 28.8015



19.4920, 12.5472, 11.5208

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.



38.4713, 30.1974, 24.1138



20.3380, 30.1974, 28.8015



36.6914, 30.1974, 53.0659

Square

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



20.3380, 30.1974, 28.8015



27.2399, 30.1974, 67.5397



39.0918, 30.1974, 37.3261



30.2149, 30.1974, 12.7285

Rectangle

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



20.3380, 30.1974, 28.8015



22.1347, 30.1974, 54.0204



39.0918, 30.1974, 37.3261



36.4539, 30.1974, 18.1299

Sweetspot

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



20.3388, 30.1986, 28.8022



54.1932, 63.3887, 67.7966



19.0666, 29.9658, 9.6300



11.7821, 14.0124, 14.9229



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.3388, 30.1986, 28.8022



33.9148, 53.3541, 47.9028



18.9563, 23.7605, 39.6649



7.6584, 8.4964, 9.1871



13.2438, 22.2163, 17.5823



0.3421, 0.5485, 0.5323

Inverse Universe

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



19.4920, 12.5472, 11.5208



32.2915, 18.5039, 14.0248



19.9880, 15.1496, 6.7216



7.6126, 7.5749, 8.2771



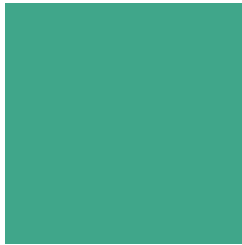
12.5880, 6.4439, 2.6420



0.3274, 0.1652, 0.1755

Previews

White Background



This preview shows how the XYZ color 20.3380, 30.1974, 28.8015 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 20.3380, 30.1974, 28.8015 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 ✓ Pass

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

XYZ 20.3380, 30.1974, 28.8015

Background



This preview shows how black text looks on a background with the XYZ color 20.3380, 30.1974, 28.8015.

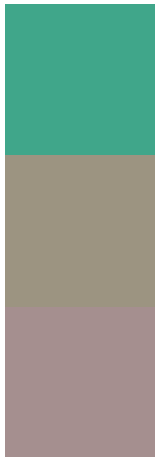


This preview shows how white text looks on a background with the XYZ color 20.3380, 30.1974,

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

20.3380, 30.1974, 28.8015

Protanopia

28.2627, 29.8327, 25.0376

Deuteranopia

30.2974, 29.6274, 30.1084



Tritanopia

23.5267, 30.1654, 44.6269

Trichromacy



Original Color

20.3380, 30.1974, 28.8015

Protanomaly

24.0546, 29.3196, 26.2212

Deuteranomaly

24.7764, 28.6455, 29.4226

Tritanomaly

22.2779, 30.1841, 38.3702

Monochromacy



Original Color

20.3380, 30.1974, 28.8015

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.3397, 24.7935, 26.2679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3380, 30.1974, 28.8015 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(64, 166, 138)` looks like.

```
.text, #text, p{  
    color:rgb(64, 166, 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(64, 166, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 166, 138) }
```

Border

The CSS property to change the border of an element to XYZ 20.3380, 30.1974, 28.8015 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(64, 166, 138) }
```


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

```
.border{ border-color:rgb(64, 166, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 166, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 166, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 166, 138);  
box-shadow:4px 4px 4px 4px rgb(64, 166,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3380, 30.1974, 28.8015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 166, 138) }
```

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

```
.background{ background-color: rgb(64, 166,  
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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