

Converting Colors

XYZ(20.7865, 30.3422, 29.6688)

Have a look what the booklet for
XYZ(20.7865, 30.3422, 29.6688)
contains.

XYZ(20.8241, 30.4311, 29.5872)	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(20.8241, 30.4311,
29.5872)**

Conversions

Conversions Part 1

Format	Color
Hex	45A68C
RGB	69, 166, 140
RGB Percent	27%, 65%, 55%
CMY	0.7294, 0.3490, 0.4510
CMYK	0.58, 0.00, 0.16, 0.35
HSL	164°, 41%, 46%
HSV	164°, 58%, 65%
XYZ	20.8241, 30.4311, 29.5872
YIQ	134.0330, -49.4660, -28.6500

Conversions

Conversions Part 2

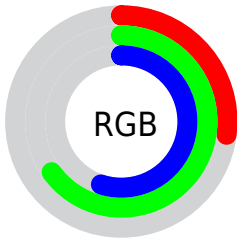
Format	Color
RYB	69, 125, 166
Decimal	4564620
CIELab	62.02, -34.89, 4.98
CIElCh	62, 35.241, 171.872
Yxy	30.4311, 0.2576, 0.3764
Android (android.graphics.Color)	4282754700 (0xFF45A68C)
YUV	134.0330, 2.9417, -57.0339
Hunter-Lab	55.1644, -29.1554, 6.8151

Details

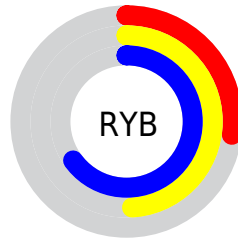
The XYZ color **20.8241, 30.4311, 29.5872** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.9206, 13.1903, 12.3237**, and the grayscale version is **22.6754, 23.8563, 25.9795**.

A 20% lighter version of the original color is **44.4631, 60.5732, 60.3873**, and **7.7506, 12.5484, 11.6865** is the 20% darker color. If you saturate the color by 10%, you get **19.4859, 29.7791, 27.8467**, and if you desaturate by 10%, it is **22.5067, 31.2606, 31.4144**.

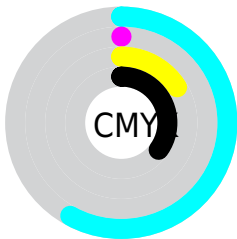
Distribution



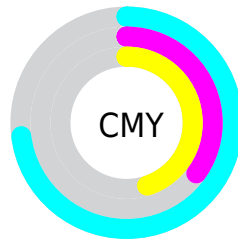
- Red (27%)
- Green (65%)
- Blue (55%)



- Red (27%)
- Yellow (49%)
- Blue (65%)



- Cyan (58%)
- Magenta (0%)
- Yellow (16%)
- Black (35%)



- Cyan (73%)
- Magenta (35%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8241, 30.4311, 29.5872 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 20.8241, 30.4311, 29.5872 by changing the saturation by 10% instead.

■ 20.8241, 30.4311,
29.5872

■ 20.8241, 30.4311,
29.5872

249.0916,
303.9088, 314.1227

■ 13.1072, 20.1660,
19.2761

■ 44.2881, 60.3433,
60.0620

■ 7.5799, 12.5158,
11.6911

■ 60.7659, 80.7592,
81.0628

■ 3.8769, 7.0960,
6.4137

■ 80.8947, 105.3275,
106.4639

■ 1.6327, 3.5222,
3.0254

■ 105.0399,
134.4326, 136.6838

■ 0.4136, 1.4101,
1.1076

■ 133.5669,
168.4588, 172.1411

■ 0.0000, 0.2241,
0.0000

166.8409,

■ 0.0000, 0.0000,

207.7907, 213.2543

0.0000

205.2274,
252.8126, 260.4420

■ 20.8241, 30.4311,
29.5872

■ 20.8241, 30.4311,
29.5872

■ 19.4859, 29.7791,
27.8467

■ 22.5067, 31.2606,
31.4144

■ 18.4611, 29.2865,
26.1887

■ 24.5563, 32.2770,
33.3282

■ 17.7174, 28.9372,
24.6116

■ 26.9965, 33.4931,
35.3311

■ 17.1947, 28.7004,
23.1115

■ 29.8480, 34.9198,
37.4249

■ 17.1190, 28.6664,
22.8827

■ 33.1304, 36.5669,
39.6113

■ 36.8617, 38.4438,
41.8918

■ 41.0589, 40.5593,
44.2679

■ 45.7383, 42.9217,
46.7412

■ 50.9151, 45.5389,
49.3131

Harmonies

Analogous

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



22.3447, 30.4311, 19.5167



20.8241, 30.4311, 29.5872



21.2798, 30.4311, 43.8127

Triad

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



20.8241, 30.4311, 29.5872



32.4451, 30.4311, 63.6513



34.9088, 30.4311, 16.5814

Complementary

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



20.8241, 30.4311, 29.5872



19.9206, 13.1903, 12.3237

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.



38.2090, 30.4311, 24.3494



20.8241, 30.4311, 29.5872



36.6821, 30.4311, 51.9529

Square

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



20.8241, 30.4311, 29.5872



27.6572, 30.4311, 66.1763



38.8911, 30.4311, 36.9541



30.2286, 30.4311, 13.4630

Rectangle

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



20.8241, 30.4311, 29.5872



22.6678, 30.4311, 53.7317



38.8911, 30.4311, 36.9541



36.2366, 30.4311, 18.6153

Sweetspot

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



20.8250, 30.4323, 29.5879



54.2239, 63.4010, 67.9582



19.5863, 30.2165, 10.4308



11.7900, 14.0155, 14.9642



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.



20.8250, 30.4323, 29.5879



34.7744, 53.7593, 49.6590



19.4610, 24.2652, 39.7357



7.6604, 8.4972, 9.1979



13.2946, 22.2366, 17.8498



0.3430, 0.5488, 0.5372

Inverse Universe

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



19.9206, 13.1903, 12.3237



33.0185, 19.5312, 15.5826



20.4586, 15.8527, 7.6124



7.6106, 7.5741, 8.2668



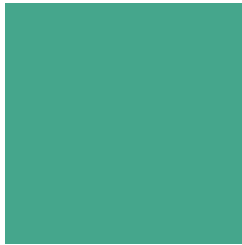
12.5717, 6.4374, 2.5560



0.3267, 0.1649, 0.1716

Previews

White Background



This preview shows how the XYZ color 20.8241, 30.4311, 29.5872 looks on a white background.

Color Contrast Check

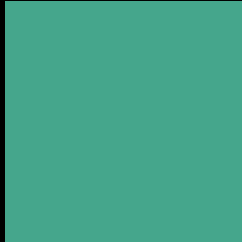
Large Text (above 18pt) WCAG AA × Fail

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 20.8241, 30.4311, 29.5872 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 20.8241, 30.4311, 29.5872

Background



This preview shows how black text looks on a background with the XYZ color 20.8241, 30.4311, 29.5872.



This preview shows how white text looks on a background with the XYZ color 20.8241, 30.4311,

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

20.8241, 30.4311, 29.5872

Protanopia

28.3969, 29.8864, 25.7447

Deuteranopia

30.6011, 29.9902, 30.9639



Tritanopia

23.7782, 30.2951, 44.6387

Trichromacy



Original Color

20.8241, 30.4311, 29.5872



Protanomaly

24.3366, 29.4490, 26.9558



Deuteranomaly

25.3921, 29.1855, 30.2817



Tritanomaly

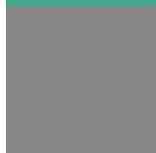
22.6793, 30.3808, 38.8512

Monochromacy



Original Color

20.8241, 30.4311, 29.5872



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

21.1532, 25.6503, 27.1287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8241, 30.4311, 29.5872 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(69, 166, 140)` looks like.

```
.text, #text, p{  
    color:rgb(69, 166, 140)  
}
```

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(69, 166, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 166, 140) }
```

Border

The CSS property to change the border of an element to XYZ 20.8241, 30.4311, 29.5872 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(69, 166, 140) }
```


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

```
.border{ border-color:rgb(69, 166, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 166, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 166, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 166, 140);  
box-shadow:4px 4px 4px 4px rgb(69, 166,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8241, 30.4311, 29.5872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 166, 140) }
```

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

```
.background{ background-color: rgb(69, 166,  
140) }
```

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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