

Converting Colors

XYZ(20.8045, 29.4899, 29.6551)

Have a look what the booklet for
XYZ(20.8045, 29.4899, 29.6551)
contains.

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Color

**XYZ(20.8854, 29.6540,
29.8223)**

Conversions

Conversions Part 1

Format	Color
Hex	4CA38D
RGB	76, 163, 141
RGB Percent	30%, 64%, 55%
CMY	0.7020, 0.3608, 0.4471
CMYK	0.53, 0.00, 0.13, 0.36
HSL	165°, 36%, 47%
HSV	165°, 53%, 64%
XYZ	20.8854, 29.6540, 29.8223
YIQ	134.4790, -44.7900, -25.2860

Conversions

Conversions Part 2

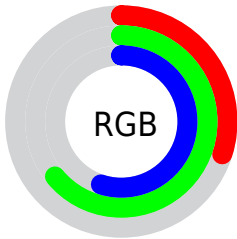
Format	Color
RYB	76, 126, 163
Decimal	5022605
CIELab	61.35, -31.70, 3.49
CIELCh	61, 31.895, 173.726
Yxy	29.6540, 0.2599, 0.3690
Android (android.graphics.Color)	4283212685 (0xFF4CA38D)
YUV	134.4790, 3.2149, -51.2861
Hunter-Lab	54.4555, -26.8367, 5.6489

Details

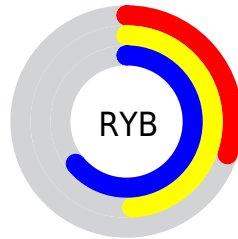
The XYZ color **20.8854, 29.6540, 29.8223** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.8943, 13.8380, 13.1788**, and the grayscale version is **22.8374, 24.0268, 26.1651**.

A 20% lighter version of the original color is **44.2818, 58.9082, 60.6663**, and **7.6479, 12.1629, 11.8421** is the 20% darker color. If you saturate the color by 10%, you get **19.4499, 28.9495, 28.1841**, and if you desaturate by 10%, it is **22.6620, 30.5345, 31.5373**.

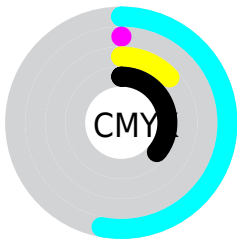
Distribution



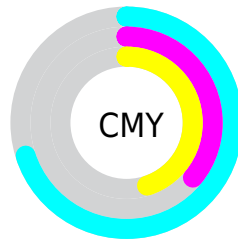
- Red (30%)
- Green (64%)
- Blue (55%)



- Red (30%)
- Yellow (49%)
- Blue (64%)



- Cyan (53%)
- Magenta (0%)
- Yellow (13%)
- Black (36%)



- Cyan (70%)
- Magenta (36%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8854, 29.6540, 29.8223 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 20.8854, 29.6540, 29.8223 by changing the saturation by 10% instead.

■ 20.8854, 29.6540,
29.8223

■ 20.8854, 29.6540,
29.8223

249.4121,
300.2883, 315.2568

■ 13.1522, 19.5761,
19.4528

■ 44.3894, 59.1146,
60.4387

■ 7.6112, 12.0873,
11.8178

■ 60.8910, 79.2660,
81.5228

■ 3.8969, 6.8032,
6.4987

■ 81.0462, 103.5442,
107.0154

■ 1.6440, 3.3393,
3.0770

■ 105.2202,
132.3333, 137.3352

■ 0.4208, 1.3113,
1.1341

■ 133.7784,
166.0179, 172.9007

■ 0.0000, 0.1500,
0.0000

167.0862,

■ 0.0000, 0.0000,

204.9824, 214.1305

0.0000

205.5090,
249.6110, 261.4429

■ 20.8854, 29.6540,
29.8223

■ 20.8854, 29.6540,
29.8223

■ 19.4499, 28.9495,
28.1841

■ 22.6620, 30.5345,
31.5373

■ 18.3278, 28.4045,
26.6190

■ 24.8002, 31.5993,
33.3289

■ 17.4906, 28.0051,
25.1254

■ 27.3213, 32.8602,
35.1992

■ 16.9037, 27.7335,
23.7013

■ 30.2447, 34.3271,
37.1499

■ 16.5970, 27.5952,
22.7928

■ 33.5881, 36.0092,
39.1822

■ 37.3683, 37.9151,
41.2977

■ 41.6013, 40.0529,
43.4976

■ 46.3019, 42.4305,
45.7832

■ 51.4845, 45.0551,
48.1558

Harmonies

Analogous

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



22.1542, 29.6540, 20.4305



20.8854, 29.6540, 29.8223



21.4099, 29.6540, 42.5347

Triad

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



20.8854, 29.6540, 29.8223



31.5667, 29.6540, 58.4770



33.2467, 29.6540, 16.9818

Complementary

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



20.8854, 29.6540, 29.8223



19.8943, 13.8380, 13.1788

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.



36.2575, 29.6540, 23.8355



20.8854, 29.6540, 29.8223



35.2221, 29.6540, 48.0243

Square

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



20.8854, 29.6540, 29.8223



27.3105, 29.6540, 61.2219



37.0141, 29.6540, 34.8863



29.0784, 29.6540, 14.3019

Rectangle

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



20.8854, 29.6540, 29.8223



22.7348, 29.6540, 51.0928



37.0141, 29.6540, 34.8863



34.4438, 29.6540, 18.7772

Sweetspot

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



20.8862, 29.6552, 29.8230



52.5569, 60.6677, 65.4937



19.5701, 29.3814, 11.4777



11.5714, 13.5089, 14.5560



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.8862, 29.6552, 29.8230



34.4272, 51.6467, 49.9556



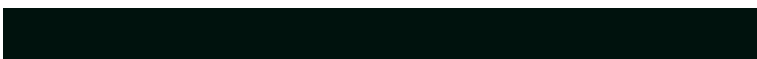
19.3697, 23.7369, 38.2125



7.1992, 7.9805, 8.6609



12.9174, 21.4533, 17.8132



0.2887, 0.4577, 0.4654

Inverse Universe

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



19.8943, 13.8380, 13.1788



32.4874, 20.2764, 17.0820



20.6200, 16.7298, 8.9803



7.1439, 7.1140, 7.7440



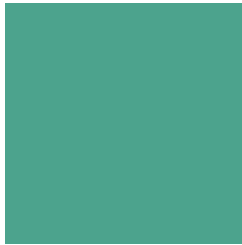
12.0690, 6.1836, 2.2879



0.2714, 0.1370, 0.1418

Previews

White Background



This preview shows how the XYZ color 20.8854, 29.6540, 29.8223 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 20.8854, 29.6540, 29.8223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

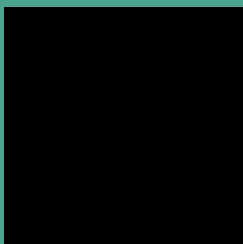
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

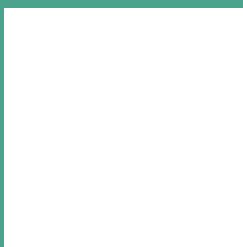
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8854, 29.6540, 29.8223

Background



This preview shows how black text looks on a background with the XYZ color 20.8854, 29.6540, 29.8223.

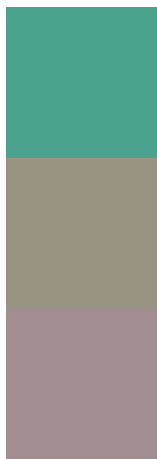


This preview shows how white text looks on a background with the XYZ color 20.8854, 29.6540,

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

20.8854, 29.6540, 29.8223

Protanopia

27.7354, 29.3057, 26.0245

Deuteranopia

29.6841, 29.0717, 30.8349



Tritanopia

23.5866, 29.7150, 43.0205

Trichromacy



Original Color

20.8854, 29.6540, 29.8223

Protanomaly

24.2219, 28.8917, 27.2217

Deuteranomaly

25.3005, 28.6516, 30.5824

Tritanomaly

22.3956, 29.4735, 37.7663

Monochromacy



Original Color

20.8854, 29.6540, 29.8223

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.4508, 25.5677, 27.4714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8854, 29.6540, 29.8223 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(76, 163, 141)` looks like.

```
.text, #text, p{  
  color:rgb(76, 163, 141)  
}
```

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(76, 163, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 163, 141) }
```

Border

The CSS property to change the border of an element to XYZ 20.8854, 29.6540, 29.8223 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(76, 163, 141) }
```


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

```
.border{ border-color:rgb(76, 163, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 163, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 163, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 163, 141);  
box-shadow:4px 4px 4px 4px rgb(76, 163,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8854, 29.6540, 29.8223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 163, 141) }
```

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

```
.background{ background-color: rgb(76, 163,  
141) }
```

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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