

Converting Colors

XYZ(20.5805, 29.0103, 35.6974)

Have a look what the booklet for
XYZ(20.5805, 29.0103, 35.6974)
contains.

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Color

**XYZ(20.5816, 29.1068,
35.5437)**

Conversions

Conversions Part 1

Format	Color
Hex	3AA29B
RGB	58, 162, 155
RGB Percent	23%, 64%, 61%
CMY	0.7725, 0.3647, 0.3922
CMYK	0.64, 0.00, 0.04, 0.36
HSL	176°, 47%, 43%
HSV	176°, 64%, 64%
XYZ	20.5816, 29.1068, 35.5437
YIQ	130.1060, -59.7370, -24.2250

Conversions

Conversions Part 2

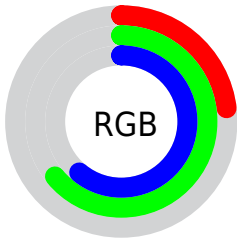
Format	Color
RYB	58, 112, 162
Decimal	3842715
CIELab	60.88, -31.11, -5.17
CIElCh	61, 31.537, 189.427
Yxy	29.1068, 0.2415, 0.3415
Android (android.graphics.Color)	4282032795 (0xFF3AA29B)
YUV	130.1060, 12.2727, -63.2370
Hunter-Lab	53.9507, -26.3180, -1.2958

Details

The XYZ color **20.5816, 29.1068, 35.5437** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.3684, 11.0899, 6.2270**, and the grayscale version is **21.2295, 22.3350, 24.3229**.

A 20% lighter version of the original color is **43.7927, 58.0807, 69.2242**, and **8.0746, 12.1513, 15.0166** is the 20% darker color. If you saturate the color by 10%, you get **19.6929, 28.6599, 35.0267**, and if you desaturate by 10%, it is **21.7691, 29.7090, 36.0803**.

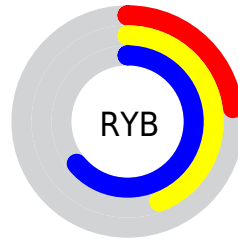
Distribution



Red (23%)

Green (64%)

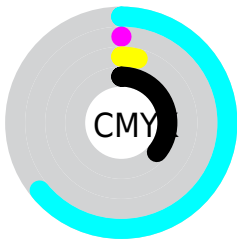
Blue (61%)



Red (23%)

Yellow (44%)

Blue (64%)

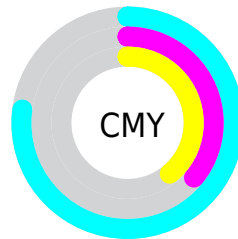


Cyan (64%)

Magenta (0%)

Yellow (4%)

Black (36%)



Cyan (77%)

Magenta (36%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5816, 29.1068, 35.5437 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 20.5816, 29.1068, 35.5437 by changing the saturation by 10% instead.

■ 20.5816, 29.1068,
35.5437

■ 20.5816, 29.1068,
35.5437

247.8205,
297.7185, 341.9386

■ 12.9292, 19.1616,
23.7951

■ 43.8867, 58.2467,
69.4883

■ 7.4565, 11.7871,
14.9709

■ 60.2701, 78.2103,
92.5214

■ 3.7980, 6.5989,
8.6526

■ 80.2946, 102.2821,
120.1530

■ 1.5885, 3.2125,
4.4216

■ 104.3255,
130.8465, 152.8017

■ 0.3849, 1.2437,
1.8593

■ 132.7282,
164.2880, 190.8861

■ 0.0000, 0.0970,
0.4667

165.8681,

■ 0.0000, 0.0000,

202.9909, 234.8247

0.0000

204.1104,
247.3396, 285.0360

■ 20.5816, 29.1068,
35.5437

■ 20.5816, 29.1068,
35.5437

■ 19.6929, 28.6599,
35.0267

■ 21.7691, 29.7090,
36.0803

■ 19.0717, 28.3500,
34.5259

■ 23.2781, 30.4762,
36.6356

■ 18.6839, 28.1605,
34.0403

■ 25.1319, 31.4211,
37.2114

■ 18.5145, 28.0792,
33.7630

■ 27.3510, 32.5541,
37.8087

■ 29.9542, 33.8851,
38.4283

■ 32.9591, 35.4231,
39.0711

■ 36.3822, 37.1765,
39.7378

■ 40.2391, 39.1535,
40.4292

■ 44.5445, 41.3617,
41.1460

Harmonies

Analogous

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



20.9094, 29.1068, 24.3890



20.5816, 29.1068, 35.5437



22.0013, 29.1068, 48.3395

Triad

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



20.5816, 29.1068, 35.5437



32.9910, 29.1068, 52.5746



30.5347, 29.1068, 14.8807

Complementary

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



20.5816, 29.1068, 35.5437



17.3684, 11.0899, 6.2270

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.



34.2261, 29.1068, 19.3871



20.5816, 29.1068, 35.5437



35.7388, 29.1068, 40.3250

Square

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



20.5816, 29.1068, 35.5437



28.9791, 29.1068, 59.6567



36.2119, 29.1068, 28.1298



26.3915, 29.1068, 14.2042

Rectangle

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



20.5816, 29.1068, 35.5437



23.8388, 29.1068, 55.4317



36.2119, 29.1068, 28.1298



31.8805, 29.1068, 15.9329

Sweetspot

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



20.5825, 29.1079, 35.5444



51.8474, 60.2198, 69.1753



15.9769, 27.3289, 8.4364



11.3611, 13.3801, 15.4677



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.



20.5825, 29.1079, 35.5444



35.2121, 51.7591, 63.1945



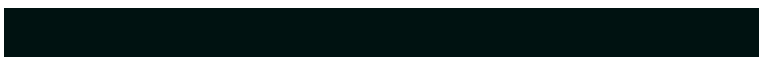
14.8246, 16.6236, 36.6111



7.2554, 8.0030, 8.9569



14.5920, 22.1231, 26.6316



0.3123, 0.4671, 0.5897

Inverse Universe

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



17.3684, 11.0899, 6.2270



28.9420, 16.4376, 5.8742



20.3511, 17.3601, 6.2817



7.0922, 7.0933, 7.4720



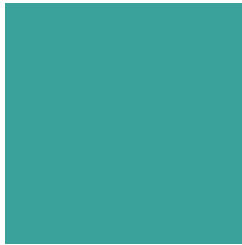
11.7924, 6.0730, 0.8317



0.2532, 0.1298, 0.0462

Previews

White Background



This preview shows how the XYZ color 20.5816, 29.1068, 35.5437 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 20.5816, 29.1068, 35.5437 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

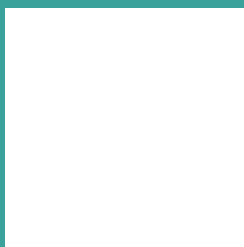
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5816, 29.1068, 35.5437

Background



This preview shows how black text looks on a background with the XYZ color 20.5816, 29.1068, 35.5437.

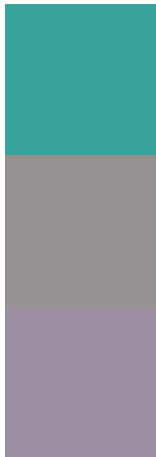


This preview shows how white text looks on a background with the XYZ color 20.5816, 29.1068,

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

20.5816, 29.1068, 35.5437

Protanopia

27.6307, 28.6847, 30.8685

Deuteranopia

29.2574, 28.7192, 36.8022



Tritanopia

22.0913, 28.9331, 43.4500

Trichromacy



Original Color

20.5816, 29.1068, 35.5437

Protanomaly

23.6939, 28.0161, 32.5926

Deuteranomaly

24.5268, 27.8855, 36.4375

Tritanomaly

21.5036, 28.9515, 40.5312

Monochromacy



Original Color

20.5816, 29.1068, 35.5437

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.0421, 24.1531, 28.0318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5816, 29.1068, 35.5437 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(58, 162, 155)` looks like.

```
.text, #text, p{  
    color:rgb(58, 162, 155)  
}
```

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(58, 162, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 162, 155) }
```

Border

The CSS property to change the border of an element to XYZ 20.5816, 29.1068, 35.5437 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(58, 162, 155) }
```


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

```
.border{ border-color:rgb(58, 162, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 162, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 162, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 162, 155);  
box-shadow:4px 4px 4px 4px rgb(58, 162,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5816, 29.1068, 35.5437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 162, 155) }
```

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

```
.background{ background-color: rgb(58, 162,  
155) }
```

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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