

Converting Colors

XYZ(20.1037, 28.1959, 30.3694)

Have a look what the booklet for
XYZ(20.1037, 28.1959, 30.3694)
contains.

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Color

**XYZ(20.1037, 28.1959,
30.3694)**

Conversions

Conversions Part 1	
Format	Color
Hex	499F8F
RGB	73, 159, 143
RGB Percent	29%, 62%, 56%
CMY	0.7137, 0.3765, 0.4392
CMYK	0.54, 0.00, 0.10, 0.38
HSL	169°, 37%, 45%
HSV	169°, 54%, 62%
XYZ	20.1037, 28.1959, 30.3694
YIQ	131.4620, -46.1200, -23.2080

Conversions

Conversions Part 2

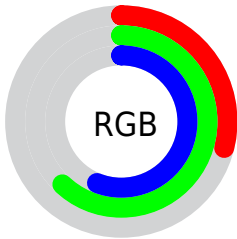
Format	Color
RYB	73, 120, 159
Decimal	4824975
CIELab	60.07, -29.96, 0.47
CIELCh	60, 29.963, 179.095
Yxy	28.1959, 0.2555, 0.3584
Android (android.graphics.Color)	4283015055 (0xFF499F8F)
YUV	131.4620, 5.6882, -51.2712
Hunter-Lab	53.0998, -25.3442, 3.2601

Details

The XYZ color **20.1037, 28.1959, 30.3694** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.4847, 12.8580, 10.9598**, and the grayscale version is **21.7315, 22.8632, 24.8980**.

A 20% lighter version of the original color is **43.1779, 56.7915, 61.5095**, and **7.2335, 11.3057, 12.1569** is the 20% darker color. If you saturate the color by 10%, you get **18.8286, 27.5648, 29.1557**, and if you desaturate by 10%, it is **21.6943, 28.9903, 31.6300**.

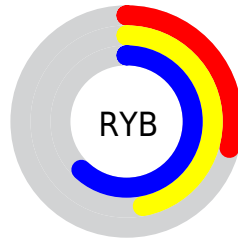
Distribution



Red (29%)

Green (62%)

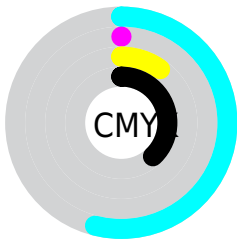
Blue (56%)



Red (29%)

Yellow (47%)

Blue (62%)

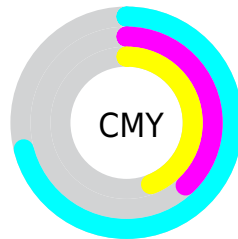


Cyan (54%)

Magenta (0%)

Yellow (10%)

Black (38%)



Cyan (71%)


Magenta (38%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1037, 28.1959, 30.3694 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 20.1037, 28.1959, 30.3694 by changing the saturation by 10% instead.


 20.1037, 28.1959,
30.3694


 20.1037, 28.1959,
30.3694

245.2988,
293.4018, 317.8833


 12.5791, 18.4734,
19.8647


 43.0936, 56.7971,
61.3138


 7.2144, 11.2904,
12.1136

 59.2896, 76.4445,
82.5905


 3.6441, 6.2625,
6.6976


 79.1069, 100.1690,
108.2951

 1.5028, 3.0054,
3.1982

 102.9107,
128.3550, 138.8459

 0.3277, 1.1345,
1.1967

 131.0665,
161.3869, 174.6616

 0.0000, 0.0072,
0.0000


163.9395,


 0.0000, 0.0000,


199.6491, 216.1607


0.0000


201.8952,
243.5259, 263.7618


 20.1037, 28.1959,
30.3694


 20.1037, 28.1959,
30.3694

 18.8286, 27.5648,
29.1557


 21.6943, 28.9903,
31.6300


 17.8426, 27.0814,
27.9855


 23.6195, 29.9559,
32.9367

 17.1189, 26.7325,
26.8579

 25.8997, 31.1038,
34.2914

 16.6244, 26.5011,
25.7713

 28.5529, 32.4432,
35.6951

 16.3889, 26.3933,
25.1455

 31.5959, 33.9829,
37.1488

■ 35.0445, 35.7310,
38.6534

■ 38.9136, 37.6951,
40.2100

■ 43.2173, 39.8826,
41.8193

■ 47.9692, 42.3004,
43.4823

Harmonies

Analogous

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



20.9765, 28.1959, 21.1114



20.1037, 28.1959, 30.3694



20.8781, 28.1959, 42.1115

Triad

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



20.1037, 28.1959, 30.3694



30.5332, 28.1959, 53.0029



30.7530, 28.1959, 15.9537

Complementary

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



20.1037, 28.1959, 30.3694



18.4847, 12.8580, 10.9598

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.



33.7460, 28.1959, 21.5631



20.1037, 28.1959, 30.3694



33.6109, 28.1959, 42.8261

Square

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



20.1037, 28.1959, 30.3694



26.6835, 28.1959, 56.9128



34.8376, 28.1959, 31.0341



26.9156, 28.1959, 14.1011

Rectangle

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



20.1037, 28.1959, 30.3694



22.2704, 28.1959, 49.5087



34.8376, 28.1959, 31.0341



31.9041, 28.1959, 17.3849

Sweetspot

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



20.1045, 28.1970, 30.3701



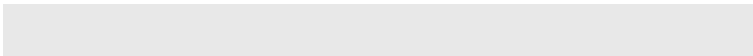
50.0210, 57.5384, 63.3592



17.8375, 27.4621, 10.6644



11.0655, 12.8651, 14.1744



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.



20.1045, 28.1970, 30.3701



33.2974, 49.1565, 51.7563



17.4214, 20.7505, 35.8892



6.7689, 7.4883, 8.2175



12.9583, 20.8512, 19.9350



0.2443, 0.3779, 0.4226

Inverse Universe

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



18.4847, 12.8580, 10.9598



30.1133, 18.7415, 13.4064



19.9445, 16.7387, 8.4835



6.6810, 6.6653, 7.1712



11.4860, 5.8990, 1.5442



0.2175, 0.1103, 0.0916

Previews

White Background



This preview shows how the XYZ color 20.1037, 28.1959, 30.3694 looks on a white background.

Color Contrast Check

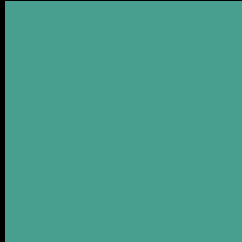
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1037, 28.1959, 30.3694 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 20.1037, 28.1959, 30.3694

Background



This preview shows how black text looks on a background with the XYZ color 20.1037, 28.1959, 30.3694.

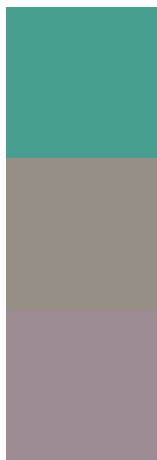


This preview shows how white text looks on a background with the XYZ color 20.1037, 28.1959,

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

20.1037, 28.1959, 30.3694

Protanopia

26.5200, 27.7557, 26.5139

Deuteranopia

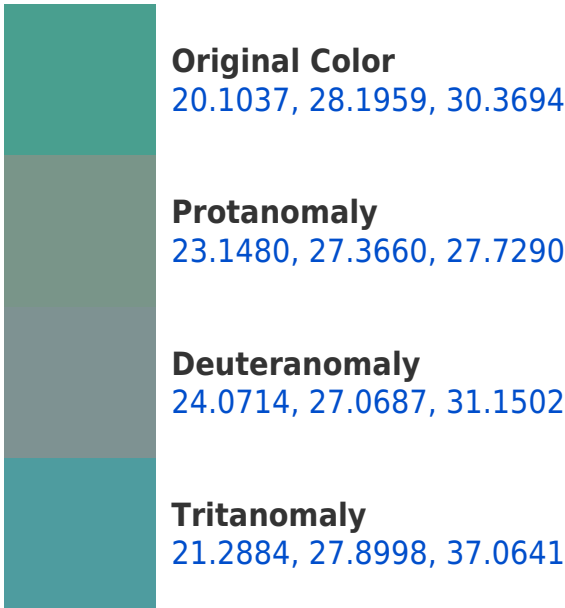
28.2094, 27.6397, 31.4520



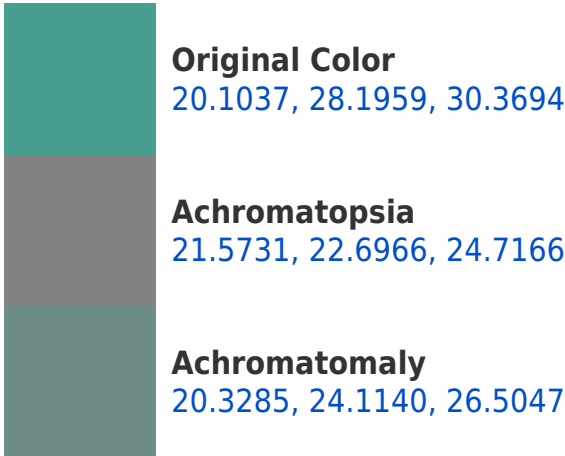
Tritanopia

22.1826, 28.0192, 41.2849

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1037, 28.1959, 30.3694 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(73, 159, 143)` looks like.

```
.text, #text, p{  
    color:rgb(73, 159, 143)  
}
```

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(73, 159, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 159, 143) }
```

Border

The CSS property to change the border of an element to XYZ 20.1037, 28.1959, 30.3694 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(73, 159, 143) }
```


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

```
.border{ border-color:rgb(73, 159, 143) }
```

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

Here you see how a box with a 4 pixel rgb(73, 159, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 159, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 159, 143);  
box-shadow:4px 4px 4px 4px rgb(73, 159,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1037, 28.1959, 30.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 159, 143) }
```

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

```
.background{ background-color: rgb(73, 159,  
143) }
```

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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