

Converting Colors

XYZ(20.2989, 28.1012, 33.6208)

Have a look what the booklet for
XYZ(20.2989, 28.1012, 33.6208)
contains.

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Color

**XYZ(20.3679, 28.2596,
33.6593)**

Conversions

Conversions Part 1

Format	Color
Hex	449F97
RGB	68, 159, 151
RGB Percent	27%, 62%, 59%
CMY	0.7333, 0.3765, 0.4078
CMYK	0.57, 0.00, 0.05, 0.38
HSL	175°, 40%, 45%
HSV	175°, 57%, 62%
XYZ	20.3679, 28.2596, 33.6593
YIQ	130.8790, -51.6680, -21.7800

Conversions

Conversions Part 2

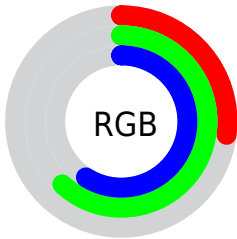
Format	Color
R _{YB}	68, 116, 159
Decimal	4497303
CIE _{Lab}	60.12, -28.91, -3.99
CIE _{LCh}	60, 29.180, 187.851
Y _{xy}	28.2596, 0.2475, 0.3434
Android (android.graphics.Color)	4282687383 (0xFF449F97)
Y _{UV}	130.8790, 9.9197, -55.1449
Hunter-Lab	53.1598, -24.6382, -0.3290

Details

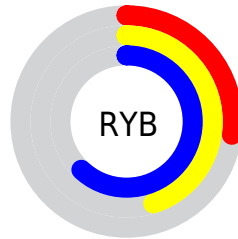
The XYZ color **20.3679, 28.2596, 33.6593** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.6706, 12.0277, 8.2285**, and the grayscale version is **21.5098, 22.6300, 24.6441**.

A 20% lighter version of the original color is **43.5235, 56.8609, 66.4389**, and **7.5579, 11.4355, 13.8655** is the 20% darker color. If you saturate the color by 10%, you get **19.2932, 27.7193, 33.0204**, and if you desaturate by 10%, it is **21.7464, 28.9577, 34.3207**.

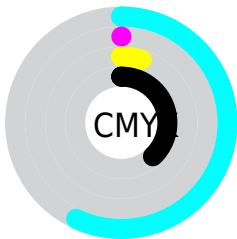
Distribution



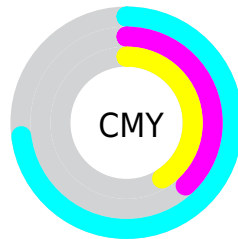
- Red (27%)
- Green (62%)
- Blue (59%)



- Red (27%)
- Yellow (45%)
- Blue (62%)



- Cyan (57%)
- Magenta (0%)
- Yellow (5%)
- Black (38%)



- Cyan (73%)
- Magenta (38%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3679, 28.2596, 33.6593 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 20.3679, 28.2596, 33.6593 by changing the saturation by 10% instead.

■ 20.3679, 28.2596,
33.6593

■ 20.3679, 28.2596,
33.6593

246.6957,
293.7053, 333.3329

■ 12.7726, 18.5214,
22.3567

■ 43.5324, 56.8986,
66.5313

■ 7.3480, 11.3250,
13.9184

■ 59.8323, 76.5683,
88.9379

■ 3.7290, 6.2859,
7.9259

■ 79.7644, 100.3173,
115.8829

■ 1.5500, 3.0197,
3.9605

■ 103.6940,
128.5299, 147.7848

■ 0.3595, 1.1420,
1.6037

■ 131.9866,
161.5907, 185.0622

■ 0.0000, 0.0136,
0.2934

165.0076,

■ 0.0000, 0.0000,

199.8839, 228.1337

0.0000

203.1221,
243.7940, 277.4177

■ 20.3679, 28.2596,
33.6593

■ 20.3679, 28.2596,
33.6593

■ 19.2932, 27.7193,
33.0204

■ 21.7464, 28.9577,
34.3207

■ 18.4948, 27.3206,
32.4007

■ 23.4483, 29.8217,
35.0038

■ 17.9446, 27.0497,
31.7997

■ 25.4946, 30.8631,
35.7100

■ 17.5961, 26.8826,
31.2150

■ 27.9037, 32.0914,
36.4403

■ 17.5111, 26.8422,
31.0550

■ 30.6927, 33.5154,
37.1955

■ 33.8778, 35.1433,
37.9763

■ 37.4739, 36.9831,
38.7836

■ 41.4955, 39.0420,
39.6180

■ 45.9561, 41.3270,
40.4802

Harmonies

Analogous

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



20.7542, 28.2596, 23.6626



20.3679, 28.2596, 33.6593



21.5894, 28.2596, 45.1595

Triad

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



20.3679, 28.2596, 33.6593



31.5015, 28.2596, 49.9870



29.6533, 28.2596, 15.4066

Complementary

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



20.3679, 28.2596, 33.6593



17.6706, 12.0277, 8.2285

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.



32.9251, 28.2596, 19.8164



20.3679, 28.2596, 33.6593



34.0590, 28.2596, 39.1744

Square

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



20.3679, 28.2596, 33.6593



27.8507, 28.2596, 55.9078



34.6028, 28.2596, 28.0508



25.8929, 28.2596, 14.5879

Rectangle

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



20.3679, 28.2596, 33.6593



23.2242, 28.2596, 51.6227



34.6028, 28.2596, 28.0508



30.8565, 28.2596, 16.4591

Sweetspot

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



20.3687, 28.2607, 33.6600



49.9285, 57.4488, 65.2465



16.5110, 26.7967, 9.7714



11.0636, 12.8535, 14.6540



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.



20.3687, 28.2607, 33.6600



34.0599, 49.3948, 58.7887



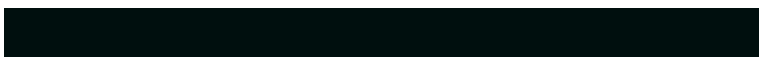
15.6761, 17.7999, 35.4117



6.7967, 7.4994, 8.3639



13.8381, 21.2032, 24.5682



0.2541, 0.3818, 0.4742

Inverse Universe

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



17.6706, 12.0277, 8.2285



28.7658, 17.4006, 8.7829



20.3331, 17.7705, 7.8277



6.6556, 6.6551, 7.0374



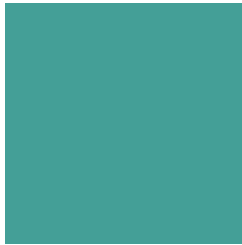
11.3629, 5.8497, 0.8962



0.2093, 0.1070, 0.0483

Previews

White Background



This preview shows how the XYZ color 20.3679, 28.2596, 33.6593 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 20.3679, 28.2596, 33.6593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

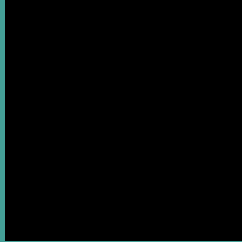
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3679, 28.2596, 33.6593

Background



This preview shows how black text looks on a background with the XYZ color 20.3679, 28.2596, 33.6593.

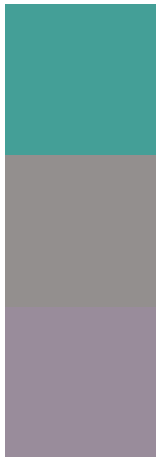


This preview shows how white text looks on a background with the XYZ color 20.3679, 28.2596,

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

20.3679, 28.2596, 33.6593

Protanopia

26.7376, 27.8010, 29.5481

Deuteranopia

28.4313, 27.8950, 34.8961



Tritanopia

21.9515, 28.1374, 41.8102

Trichromacy



Original Color

20.3679, 28.2596, 33.6593

Protanomaly

23.3295, 27.3908, 30.8454

Deuteranomaly

24.2925, 27.3381, 34.5683

Tritanomaly

21.2510, 28.1003, 38.4863

Monochromacy



Original Color

20.3679, 28.2596, 33.6593

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.2967, 24.0729, 27.6215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3679, 28.2596, 33.6593 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(68, 159, 151)` looks like.

```
.text, #text, p{  
    color:rgb(68, 159, 151)  
}
```

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(68, 159, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 159, 151) }
```

Border

The CSS property to change the border of an element to XYZ 20.3679, 28.2596, 33.6593 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(68, 159, 151) }
```


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

```
.border{ border-color:rgb(68, 159, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 159, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 159, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 159, 151);  
box-shadow:4px 4px 4px 4px rgb(68, 159,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3679, 28.2596, 33.6593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 159, 151) }
```

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

```
.background{ background-color: rgb(68, 159,  
151) }
```

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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