

Converting Colors

XYZ(20.2793, 27.9115, 35.7804)

Have a look what the booklet for
XYZ(20.2793, 27.9115, 35.7804)
contains.

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Color

**XYZ(20.2775, 27.9108,
35.7711)**

Conversions

Conversions Part 1

Format	Color
Hex	3F9E9C
RGB	63, 158, 156
RGB Percent	25%, 62%, 61%
CMY	0.7529, 0.3804, 0.3882
CMYK	0.60, 0.00, 0.01, 0.38
HSL	179°, 43%, 43%
HSV	179°, 60%, 62%
XYZ	20.2775, 27.9108, 35.7711
YIQ	129.3670, -55.9780, -20.7620

Conversions

Conversions Part 2

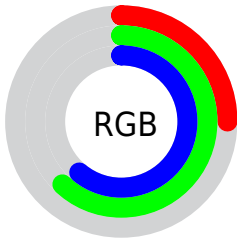
Format	Color
R _{YB}	63, 111, 158
Decimal	4169372
CIE Lab	59.81, -27.99, -7.30
CIE LCh	60, 28.931, 194.613
Yxy	27.9108, 0.2415, 0.3324
Android (android.graphics.Color)	4282359452 (0xFF3F9E9C)
YUV	129.3670, 13.1301, -58.2039
Hunter-Lab	52.8307, -23.9417, -3.1632




Details

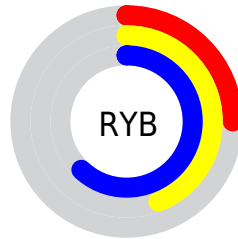
The XYZ color **20.2775, 27.9108, 35.7711** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.8331, 11.2066, 6.2778**, and the grayscale version is **20.9652, 22.0570, 24.0201**.




A 20% lighter version of the original color is **43.3123, 56.3066, 69.5582**, and **7.7038, 11.3280, 15.1451** is the 20% darker color. If you saturate the color by 10%, you get **19.3817, 27.4529, 35.5828**, and if you desaturate by 10%, it is **21.4646, 28.5202, 35.9746**.

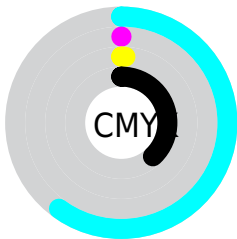
Distribution







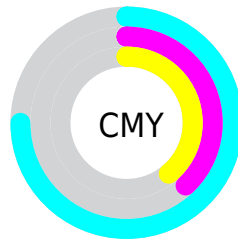
-  Red (25%)
-  Green (62%)
-  Blue (61%)






-  Red (25%)
-  Yellow (44%)
-  Blue (62%)



-  Cyan (60%)
-  Magenta (0%)
-  Yellow (1%)
-  Black (38%)



-  Cyan (75%)
-  Magenta (38%)
-  Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2775, 27.9108, 35.7711 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 20.2775, 27.9108, 35.7711 by changing the saturation by 10% instead.

■ 20.2775, 27.9108,
35.7711

■ 20.2775, 27.9108,
35.7711

246.2185,
292.0404, 342.9661

■ 12.7064, 18.2584,
23.9692

■ 43.3823, 56.3420,
69.8437

■ 7.3023, 11.1357,
15.0988

■ 59.6468, 75.8896,
92.9514

■ 3.6998, 6.1582,
8.7413

■ 79.5396, 99.5044,
120.6648

■ 1.5338, 2.9415,
4.4784

■ 103.4263,
127.5709, 153.4025

■ 0.3486, 1.1013,
1.8913

■ 131.6722,
160.4733, 191.5829

■ 0.0000, 0.0000,
0.4872

164.6426,

■ 0.0000, 0.0000,

198.5961, 235.6246

0.0000

202.7029,
242.3237, 285.9461

■ 20.2775, 27.9108,
35.7711

■ 20.2775, 27.9108,
35.7711

■ 19.3817, 27.4529,
35.5828

■ 21.4646, 28.5202,
35.9746

■ 18.7492, 27.1301,
35.4067

■ 22.9631, 29.2894,
36.1925

■ 18.3509, 26.9280,
35.2419

■ 24.7940, 30.2300,
36.4264

■ 18.1163, 26.8102,
35.0870

■ 26.9761, 31.3516,
36.6771

■ 29.5264, 32.6630,
36.9454

■ 32.4611, 34.1726,
37.2322

■ 35.7954, 35.8882,
37.5380

■ 39.5434, 37.8170,
37.8636

■ 43.7190, 39.9663,
38.2096

Harmonies

Analogous

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



20.2981, 27.9108, 25.3441



20.2775, 27.9108, 35.7711



21.8219, 27.9108, 46.8804

Triad

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



20.2775, 27.9108, 35.7711



31.7912, 27.9108, 47.1379



28.4422, 27.9108, 14.7903

Complementary

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



20.2775, 27.9108, 35.7711



16.8331, 11.2066, 6.2778

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.



31.8671, 27.9108, 18.3063



20.2775, 27.9108, 35.7711



33.9186, 27.9108, 36.0651

Square

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



20.2775, 27.9108, 35.7711



28.3461, 27.9108, 54.3984



33.9476, 27.9108, 25.5778



24.7900, 27.9108, 14.7467

Rectangle

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



20.2775, 27.9108, 35.7711



23.6207, 27.9108, 52.5103



33.9476, 27.9108, 25.5778



29.6654, 27.9108, 15.5614

Sweetspot

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



20.2783, 27.9119, 35.7718



49.7581, 57.3289, 66.6871



15.3829, 25.9777, 8.9067



10.9485, 12.7862, 15.0051



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.



20.2783, 27.9119, 35.7718



34.7685, 49.6342, 64.5085



14.2021, 15.4859, 34.5895



6.8158, 7.5071, 8.4647



14.5107, 21.4722, 28.1101



0.2612, 0.3846, 0.5116

Inverse Universe

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



16.8331, 11.2066, 6.2778



27.9527, 16.5466, 6.1308



20.2913, 18.2141, 7.1494



6.6384, 6.6483, 6.9472



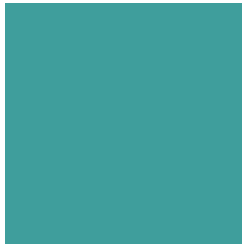
11.3096, 5.8284, 0.6153



0.2037, 0.1048, 0.0187

Previews

White Background



This preview shows how the XYZ color 20.2775, 27.9108, 35.7711 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 20.2775, 27.9108, 35.7711 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

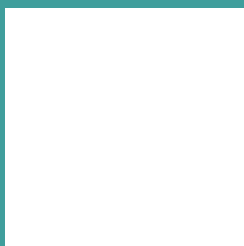
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2775, 27.9108, 35.7711

Background



This preview shows how black text looks on a background with the XYZ color 20.2775, 27.9108, 35.7711.

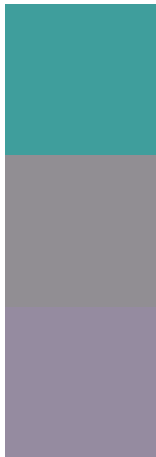


This preview shows how white text looks on a background with the XYZ color 20.2775, 27.9108,

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

20.2775, 27.9108, 35.7711

Protanopia

26.6165, 27.4723, 31.5036

Deuteranopia

27.9722, 27.3929, 37.0708



Tritanopia

21.5041, 27.9067, 41.7893

Trichromacy



Original Color

20.2775, 27.9108, 35.7711

Protanomaly

23.1652, 27.0267, 32.8499

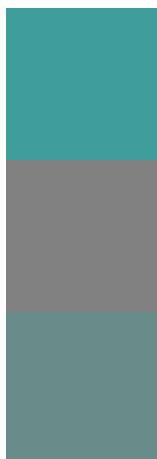
Deuteranomaly

24.0081, 26.9125, 36.7302

Tritanomaly

21.0725, 27.9876, 39.4135

Monochromacy



Original Color

20.2775, 27.9108, 35.7711

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.8640, 23.6235, 27.9389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2775, 27.9108, 35.7711 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(63, 158, 156)` looks like.

```
.text, #text, p{  
    color:rgb(63, 158, 156)  
}
```

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(63, 158, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 158, 156) }
```

Border

The CSS property to change the border of an element to XYZ 20.2775, 27.9108, 35.7711 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(63, 158, 156) }
```


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

```
.border{ border-color:rgb(63, 158, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 158, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 158, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 158, 156);  
box-shadow:4px 4px 4px 4px rgb(63, 158,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2775, 27.9108, 35.7711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 158, 156) }
```

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

```
.background{ background-color: rgb(63, 158,  
156) }
```

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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