

Converting Colors

XYZ(20.4959, 26.2429, 27.2777)

Have a look what the booklet for
XYZ(20.4959, 26.2429, 27.2777)
contains.

XYZ(20.4959, 26.2429, 27.2777)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.4959, 26.2429,
27.2777)**

Conversions

Conversions Part 1

Format	Color
Hex	639688
RGB	99, 150, 136
RGB Percent	39%, 59%, 53%
CMY	0.6118, 0.4118, 0.4667
CMYK	0.34, 0.00, 0.09, 0.41
HSL	164°, 20%, 49%
HSV	164°, 34%, 59%
XYZ	20.4959, 26.2429, 27.2777
YIQ	133.1550, -25.9020, -15.1660

Conversions

Conversions Part 2

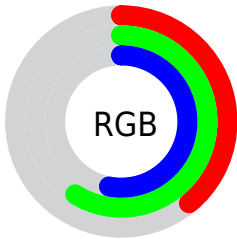
Format	Color
R_{YB}	99, 129, 150
Decimal	6526600
CIE _{Lab}	58.27, -20.28, 1.97
CIE _{LCh}	58, 20.378, 174.462
Yxy	26.2429, 0.2769, 0.3546
Android (android.graphics.Color)	4284716680 (0xFF639688)
YUV	133.1550, 1.4026, -29.9539
Hunter-Lab	51.2278, -18.2321, 4.2888

Details


The XYZ color **20.4959, 26.2429, 27.2777** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.0211, 16.6007, 17.7729**, and the grayscale version is **22.3532, 23.5173, 25.6103**.

A 20% lighter version of the original color is **43.5407, 53.4392, 56.1641**, and **7.4082, 10.2485, 10.3918** is the 20% darker color. If you saturate the color by 10%, you get **18.7200, 25.3612, 25.6964**, and if you desaturate by 10%, it is **22.5890, 27.2881, 28.9337**.

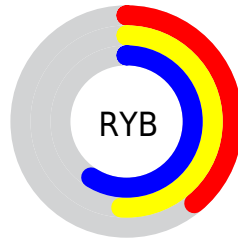
Distribution



 Red (39%)

 Green (59%)

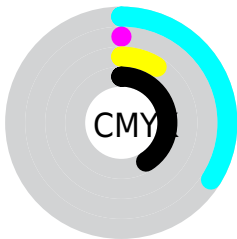
 Blue (53%)



 Red (39%)

 Yellow (51%)

 Blue (59%)

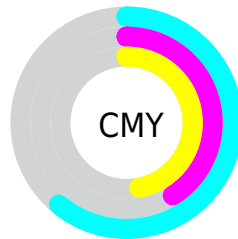


 Cyan (34%)

 Magenta (0%)

 Yellow (9%)

 Black (41%)



 Cyan (61%)

 Magenta (41%)

 Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4959, 26.2429, 27.2777 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 20.4959, 26.2429, 27.2777 by changing the saturation by 10% instead.

■ 20.4959, 26.2429,
27.2777

■ 20.4959, 26.2429,
27.2777

247.3699,
283.9724, 302.8018

■ 12.8664, 17.0054,
17.5476

■ 43.7447, 53.6665,
56.3383

■ 7.4130, 10.2384,
10.4596

■ 60.0946, 72.6215,
76.5059

■ 3.7703, 5.5573,
5.5952

■ 80.0821, 95.5845,
100.9898

■ 1.5730, 2.5778,
2.5358

■ 104.0725,
122.9398, 130.2084

■ 0.3747, 0.9155,
0.8590

132.4311,
155.0718, 164.5804

■ 0.0000, 0.0000,
0.0000

165.5233,

192.3650, 204.5243

203.7145,
235.2038, 250.4586

■ 20.4959, 26.2429,
27.2777

■ 20.4959, 26.2429,
27.2777

■ 18.7200, 25.3612,
25.6964

■ 22.5890, 27.2881,
28.9337

■ 17.2420, 24.6312,
24.1866

■ 25.0127, 28.5018,
30.6639

■ 16.0440, 24.0442,
22.7472


■ 27.7824, 29.8926,
32.4703


■ 15.1052, 23.5896,
21.3768


■ 30.9119, 31.4674,
34.3542


■ 14.4017, 23.2551,
20.0734


■ 34.4142, 33.2331,
36.3167


 13.9048, 23.0258,
18.8350

 38.3015, 35.1959,
38.3591

 13.6575, 22.9139,
18.1206

 42.5857, 37.3619,
40.4825

 47.2779, 39.7369,
42.6879

 52.3891, 42.3264,
44.9765

Harmonies

Analogous

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



21.2642, 26.2429, 21.3555



20.4959, 26.2429, 27.2777



20.8536, 26.2429, 34.6037

Triad

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



20.4959, 26.2429, 27.2777



26.9681, 26.2429, 42.8774



27.8155, 26.2429, 18.8484

Complementary

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



20.4959, 26.2429, 27.2777



20.0211, 16.6007, 17.7729

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.



29.5351, 26.2429, 23.2890



20.4959, 26.2429, 27.2777



29.0236, 26.2429, 37.2595

Square

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



20.4959, 26.2429, 27.2777



24.4862, 26.2429, 44.4171



29.9911, 26.2429, 29.9108



25.4056, 26.2429, 17.0328

Rectangle

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



20.4959, 26.2429, 27.2777



21.6955, 26.2429, 39.2344



29.9911, 26.2429, 29.9108



28.4996, 26.2429, 20.0441

Sweetspot

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



20.4966, 26.2440, 27.2783



45.9255, 51.1931, 55.3091



20.0274, 26.2553, 15.8172



10.0438, 11.2779, 12.1685



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.4966, 26.2440, 27.2783



33.6763, 45.0730, 45.9476



19.8768, 23.3064, 32.3063



5.8969, 6.5353, 7.0678



11.3407, 19.0091, 15.1016



0.1513, 0.2376, 0.2504

Inverse Universe

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



20.0211, 16.6007, 17.7729



32.7078, 25.3368, 26.5174



20.4120, 18.5483, 14.3093



5.8623, 5.8400, 6.3812



10.7784, 5.5164, 2.3139



0.1430, 0.0720, 0.0868

Previews

White Background



This preview shows how the XYZ color 20.4959, 26.2429, 27.2777 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 20.4959, 26.2429, 27.2777 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 20.4959, 26.2429, 27.2777

Background



This preview shows how black text looks on a background with the XYZ color 20.4959, 26.2429, 27.2777.

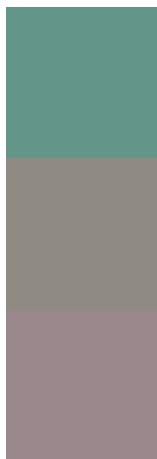


This preview shows how white text looks on a background with the XYZ color 20.4959, 26.2429,

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

20.4959, 26.2429, 27.2777

Protanopia

24.7635, 26.0062, 24.8336

Deuteranopia

26.4610, 25.9643, 28.0431



Tritanopia

22.3142, 26.2791, 36.2440

Trichromacy



Original Color

20.4959, 26.2429, 27.2777

Protanomaly

22.8894, 25.9001, 25.6226

Deuteranomaly

23.6384, 25.5777, 27.7359

Tritanomaly

21.5744, 26.2066, 32.7754

Monochromacy



Original Color

20.4959, 26.2429, 27.2777

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.4209, 24.2514, 26.1062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4959, 26.2429, 27.2777 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(99, 150, 136)` looks like.

```
.text, #text, p{  
  color:rgb(99, 150, 136)  
}
```

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(99, 150, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 150, 136) }
```

Border

The CSS property to change the border of an element to XYZ 20.4959, 26.2429, 27.2777 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(99, 150, 136) }
```


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

```
.border{ border-color:rgb(99, 150, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 150, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 150, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 150, 136);  
box-shadow:4px 4px 4px 4px rgb(99, 150,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4959, 26.2429, 27.2777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 150, 136) }
```

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

```
.background{ background-color: rgb(99, 150,  
136) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor