

Converting Colors

XYZ(20.9593, 27.8589, 34.9857)

Have a look what the booklet for
XYZ(20.9593, 27.8589, 34.9857)
contains.

XYZ(20.8631, 27.7297, 34.8246)	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(20.8631, 27.7297,
34.8246)**

Conversions

Conversions Part 1

Format	Color
Hex	4E9C9A
RGB	78, 156, 154
RGB Percent	31%, 61%, 60%
CMY	0.6941, 0.3882, 0.3961
CMYK	0.50, 0.00, 0.01, 0.39
HSL	178°, 33%, 46%
HSV	178°, 50%, 61%
XYZ	20.8631, 27.7297, 34.8246
YIQ	132.4500, -45.8460, -17.1580

Conversions

Conversions Part 2

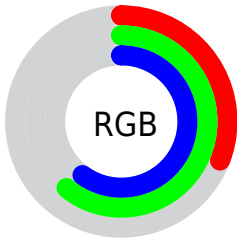
Format	Color
R_YB	78, 118, 156
Decimal	5151898
CIE Lab	59.64, -24.44, -6.35
CIE LCh	60, 25.250, 194.575
Yxy	27.7297, 0.2501, 0.3324
Android (android.graphics.Color)	4283341978 (0xFF4E9C9A)
YUV	132.4500, 10.6242, -47.7526
Hunter-Lab	52.6590, -21.4329, -2.3485

Details

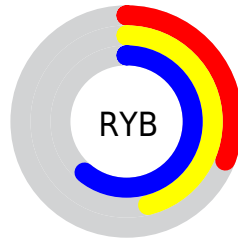
The XYZ color **20.8631, 27.7297, 34.8246** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.8836, 13.0968, 9.1758**, and the grayscale version is **22.0701, 23.2194, 25.2860**.

A 20% lighter version of the original color is **44.3523, 56.1291, 68.1709**, and **7.5645, 10.9655, 14.5498** is the 20% darker color. If you saturate the color by 10%, you get **19.7004, 27.1348, 34.5970**, and if you desaturate by 10%, it is **22.3307, 28.4831, 35.0682**.

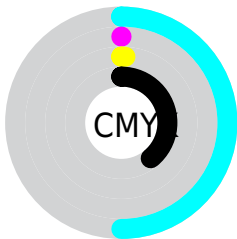
Distribution



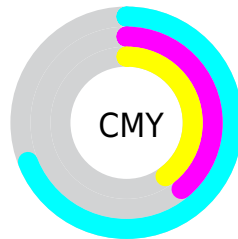
- Red (31%)
- Green (61%)
- Blue (60%)



- Red (31%)
- Yellow (46%)
- Blue (61%)



- Cyan (50%)
- Magenta (0%)
- Yellow (1%)
- Black (39%)



- Cyan (69%)
- Magenta (39%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8631, 27.7297, 34.8246 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 20.8631, 27.7297, 34.8246 by changing the saturation by 10% instead.

■ 20.8631, 27.7297,
34.8246

■ 20.8631, 27.7297,
34.8246

249.2956,
291.1731, 338.6742

■ 13.1359, 18.1220,
23.2453

■ 44.3526, 56.0526,
68.3624

■ 7.5998, 11.0376,
14.5678

■ 60.8455, 75.5366,
91.1581

■ 3.8896, 6.0921,
8.3734

■ 80.9911, 99.0815,
118.5296

■ 1.6399, 2.9012,
4.2436

■ 105.1546,
127.0717, 150.8955

■ 0.4182, 1.0804,
1.7599

■ 133.7015,
159.8915, 188.6744

■ 0.0000, 0.0000,
0.4013

166.9970,

■ 0.0000, 0.0000,

197.9254, 232.2848

0.0000

205.4066,
241.5578, 282.1452

■ 20.8631, 27.7297,
34.8246

■ 20.8631, 27.7297,
34.8246

■ 19.7004, 27.1348,
34.5970

■ 22.3307, 28.4831,
35.0682

■ 18.8185, 26.6840,
34.3826

■ 24.1205, 29.4019,
35.3269

■ 18.1934, 26.3656,
34.1807

■ 26.2512, 30.4964,
35.6022

■ 17.7962, 26.1646,
33.9901

■ 28.7396, 31.7753,
35.8947

■ 17.5564, 26.0448,
33.8074

■ 31.6012, 33.2466,
36.2053

■ 17.5563, 26.0448,
33.8074

■ 34.8506, 34.9178,
36.5346

■ 38.5018, 36.7961,
36.8834

■ 42.5679, 38.8883,
37.2521

■ 47.0615, 41.2009,
37.6414

Harmonies

Analogous

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



20.8832, 27.7297, 25.7648



20.8631, 27.7297, 34.8246



22.2307, 27.7297, 44.2492

Triad

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



20.8631, 27.7297, 34.8246



30.8917, 27.7297, 44.4867



28.0186, 27.7297, 16.2467

Complementary

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



20.8631, 27.7297, 34.8246



17.8836, 13.0968, 9.1758

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.



30.9631, 27.7297, 19.4816



20.8631, 27.7297, 34.8246



32.7106, 27.7297, 35.1014

Square

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



20.8631, 27.7297, 34.8246



27.9274, 27.7297, 50.5440



32.7377, 27.7297, 25.9913



24.8451, 27.7297, 16.2022

Rectangle

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



20.8631, 27.7297, 34.8246



23.8138, 27.7297, 48.9620



32.7377, 27.7297, 25.9913



29.0735, 27.7297, 16.9627

Sweetspot

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



20.8639, 27.7308, 34.8253



49.7202, 56.4377, 64.9073



16.6237, 26.0598, 11.3623



10.7504, 12.3210, 14.2598



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.8639, 27.7308, 34.8253



35.5639, 49.1721, 62.7883



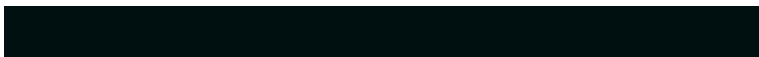
15.8120, 17.3579, 33.9706



6.8145, 7.5066, 8.4577



14.4626, 21.4530, 27.8567



0.2607, 0.3844, 0.5089

Inverse Universe

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



17.8836, 13.0968, 9.1758



29.5185, 19.4636, 10.7415



21.1490, 19.7441, 9.9048



6.6396, 6.6488, 6.9533



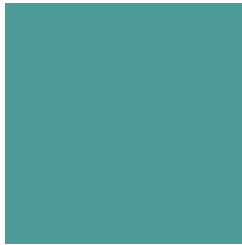
11.3132, 5.8298, 0.6342



0.2041, 0.1050, 0.0208

Previews

White Background



This preview shows how the XYZ color 20.8631, 27.7297, 34.8246 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 20.8631, 27.7297, 34.8246 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

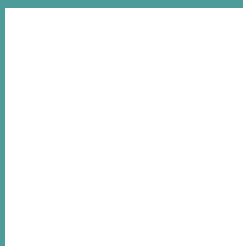
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8631, 27.7297, 34.8246

Background



This preview shows how black text looks on a background with the XYZ color 20.8631, 27.7297, 34.8246.

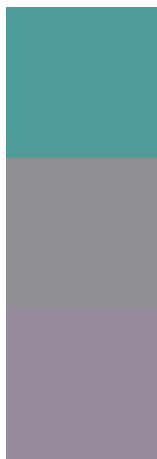


This preview shows how white text looks on a background with the XYZ color 20.8631, 27.7297,

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

20.8631, 27.7297, 34.8246

Protanopia

26.3629, 27.3506, 31.0839

Deuteranopia

27.9819, 27.4179, 36.1651



Tritanopia

22.0103, 27.6951, 40.7448

Trichromacy



Original Color

20.8631, 27.7297, 34.8246

Protanomaly

23.6043, 27.0304, 32.4071

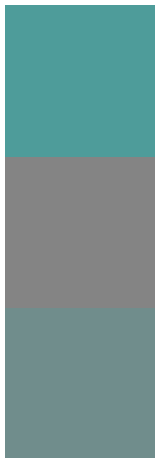
Deuteranomaly

24.5234, 26.9702, 35.8115

Tritanomaly

21.6363, 27.8007, 38.4081

Monochromacy



Original Color

20.8631, 27.7297, 34.8246

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.9406, 24.3879, 28.4146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8631, 27.7297, 34.8246 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(78, 156, 154)` looks like.

```
.text, #text, p{  
    color:rgb(78, 156, 154)  
}
```

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(78, 156, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 156, 154) }
```

Border

The CSS property to change the border of an element to XYZ 20.8631, 27.7297, 34.8246 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(78, 156, 154) }
```


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

```
.border{ border-color:rgb(78, 156, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 156, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 156, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 156, 154);  
box-shadow:4px 4px 4px 4px rgb(78, 156,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8631, 27.7297, 34.8246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 156, 154) }
```

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

```
.background{ background-color: rgb(78, 156,  
154) }
```

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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