

Converting Colors

XYZ(21.8789, 28.9715, 36.7872)

Have a look what the booklet for
XYZ(21.8789, 28.9715, 36.7872)
contains.

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Color

**XYZ(21.8780, 28.9704,
36.7865)**

Conversions

Conversions Part 1

Format	Color
Hex	509F9E
RGB	80, 159, 158
RGB Percent	31%, 62%, 62%
CMY	0.6863, 0.3765, 0.3804
CMYK	0.50, 0.00, 0.01, 0.38
HSL	179°, 33%, 47%
HSV	179°, 50%, 62%
XYZ	21.8780, 28.9704, 36.7865
YIQ	135.2650, -46.7630, -17.0590

Conversions

Conversions Part 2

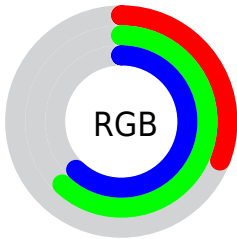
Format	Color
R _Y B	80, 120, 159
Decimal	5283742
CIE Lab	60.76, -24.42, -6.96
CIE LCh	61, 25.389, 195.909
Yxy	28.9704, 0.2496, 0.3306
Android (android.graphics.Color)	4283473822 (0xFF509F9E)
YUV	135.2650, 11.2084, -48.4674
Hunter-Lab	53.8242, -21.6371, -2.8453

Details

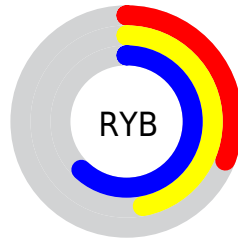
The XYZ color **21.8780, 28.9704, 36.7865** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.6530, 13.7033, 9.4476**, and the grayscale version is **23.1004, 24.3035, 26.4665**.

A 20% lighter version of the original color is **46.0485, 58.0481, 71.7282**, and **8.1085, 11.6785, 15.7367** is the 20% darker color. If you saturate the color by 10%, you get **20.6740, 28.3524, 36.6403**, and if you desaturate by 10%, it is **23.4014, 29.7544, 36.9491**.

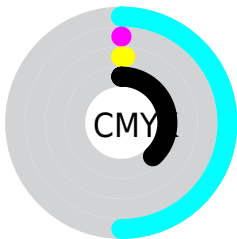
Distribution



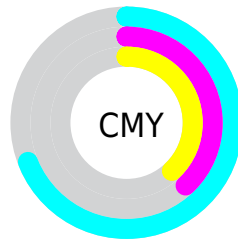
- Red (31%)
- Green (62%)
- Blue (62%)



- Red (31%)
- Yellow (47%)
- Blue (62%)



- Cyan (50%)
- Magenta (0%)
- Yellow (1%)
- Black (38%)



- Cyan (69%)
- Magenta (38%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8780, 28.9704, 36.7865 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 21.8780, 28.9704, 36.7865 by changing the saturation by 10% instead.

■ 21.8780, 28.9704,
36.7865

■ 21.8780, 28.9704,
36.7865

254.5529,
297.0753, 347.5261

■ 13.8834, 19.0584,
24.7477

■ 46.0246, 58.0301,
71.4270

■ 8.1208, 11.7125,
15.6719

■ 62.9074, 77.9465,
94.8657

■ 4.2248, 6.5482,
9.1405

■ 83.4835, 101.9666,
122.9416

■ 1.8301, 3.1812,
4.7348

■ 108.1184,
130.4747, 156.0731

■ 0.5357, 1.2271,
2.0365

■ 137.1774,
163.8553, 194.6787

■ 0.0000, 0.0836,
0.5776

171.0260,

■ 0.0000, 0.0000,

202.4926, 239.1771

0.0000

210.0293,
246.7711, 289.9867

■ 21.8780, 28.9704,
36.7865

■ 21.8780, 28.9704,
36.7865

■ 20.6740, 28.3524,
36.6403

■ 23.4014, 29.7544,
36.9491

■ 19.7641, 27.8853,
36.5073

■ 25.2623, 30.7117,
37.1270

■ 19.1234, 27.5571,
36.3871

■ 27.4802, 31.8531,
37.3218

■ 18.7217, 27.3519,
36.2782

■ 30.0727, 33.1875,
37.5342

■ 18.4901, 27.2345,
36.1775

■ 33.0559, 34.7234,
37.7651

■ 18.4833, 27.2311,
36.1743

■ 36.4453, 36.4687,
38.0151

■ 40.2553, 38.4308,
38.2850

■ 44.4998, 40.6169,
38.5753

■ 49.1919, 43.0337,
38.8868

Harmonies

Analogous

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



21.8334, 28.9704, 27.3270



21.8780, 28.9704, 36.7865



23.3560, 28.9704, 46.4625

Triad

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



21.8780, 28.9704, 36.7865



32.3440, 28.9704, 45.9372



29.1079, 28.9704, 17.0086

Complementary

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



21.8780, 28.9704, 36.7865



18.6530, 13.7033, 9.4476

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.



32.1860, 28.9704, 20.2186



21.8780, 28.9704, 36.7865



34.1529, 28.9704, 36.1736

Square

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



21.8780, 28.9704, 36.7865



29.3099, 28.9704, 52.4227



34.0928, 28.9704, 26.8246



25.8342, 28.9704, 17.1075

Rectangle

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



21.8780, 28.9704, 36.7865



25.0281, 28.9704, 51.1894



34.0928, 28.9704, 26.8246



30.2050, 28.9704, 17.7035

Sweetspot

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



21.8789, 28.9715, 36.7872



51.1705, 58.0515, 67.0008



17.2676, 27.1400, 11.9186



11.3334, 12.9832, 15.0885



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.



21.8789, 28.9715, 36.7872



36.7547, 50.6364, 65.5808



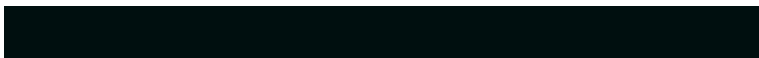
16.3824, 17.8400, 35.3822



6.8182, 7.5080, 8.4774



14.5994, 21.5077, 28.5771



0.2621, 0.3850, 0.5164

Inverse Universe

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



18.6530, 13.7033, 9.4476



30.2786, 19.9723, 10.6860



22.2472, 20.9513, 10.4616



6.6363, 6.6474, 6.9359



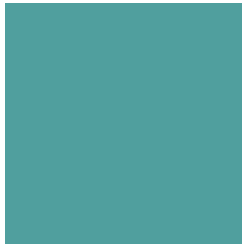
11.3030, 5.8258, 0.5807



0.2030, 0.1045, 0.0150

Previews

White Background



This preview shows how the XYZ color 21.8780, 28.9704, 36.7865 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 21.8780, 28.9704, 36.7865 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 21.8780, 28.9704, 36.7865

Background



This preview shows how black text looks on a background with the XYZ color 21.8780, 28.9704, 36.7865.

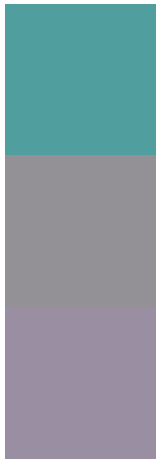


This preview shows how white text looks on a background with the XYZ color 21.8780, 28.9704,

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

21.8780, 28.9704, 36.7865

Protanopia

27.6630, 28.6559, 32.9273

Deuteranopia

29.3315, 28.7269, 38.1813



Tritanopia

22.9688, 28.9010, 42.3981

Trichromacy



Original Color

21.8780, 28.9704, 36.7865

Protanomaly

24.8245, 28.3236, 34.2956

Deuteranomaly

25.6271, 28.1886, 37.8085

Tritanomaly

22.6771, 29.0459, 40.4876

Monochromacy



Original Color

21.8780, 28.9704, 36.7865

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.0014, 25.5745, 29.7634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8780, 28.9704, 36.7865 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(80, 159, 158)` looks like.

```
.text, #text, p{  
    color:rgb(80, 159, 158)  
}
```

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(80, 159, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 159, 158) }
```

Border

The CSS property to change the border of an element to XYZ 21.8780, 28.9704, 36.7865 is called "border". The border property can be set on classes, ids or directly on the HTML element.

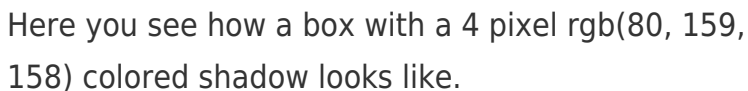
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(80, 159, 158) }
```


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

```
.border{ border-color:rgb(80, 159, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(80, 159, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 159, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 159, 158);  
box-shadow:4px 4px 4px 4px rgb(80, 159,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8780, 28.9704, 36.7865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 159, 158) }
```

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

```
.background{ background-color: rgb(80, 159,  
158) }
```

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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