

Converting Colors

XYZ(21.9663, 28.7618, 36.7412)

Have a look what the booklet for
XYZ(21.9663, 28.7618, 36.7412)
contains.

XYZ(21.9657, 28.7613, 36.7415)	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(21.9657, 28.7613,
36.7415)**

Conversions

Conversions Part 1

Format	Color
Hex	539E9E
RGB	83, 158, 158
RGB Percent	33%, 62%, 62%
CMY	0.6745, 0.3804, 0.3804
CMYK	0.47, 0.00, 0.00, 0.38
HSL	180°, 31%, 47%
HSV	180°, 47%, 62%
XYZ	21.9657, 28.7613, 36.7415
YIQ	135.5750, -44.7000, -15.9000

Conversions

Conversions Part 2

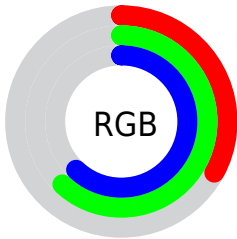
Format	Color
R_{YB}	83, 121, 158
Decimal	5480094
CIE Lab	60.57, -23.21, -7.22
CIE LCh	61, 24.307, 197.283
Yxy	28.7613, 0.2511, 0.3288
Android (android.graphics.Color)	4283670174 (0xFF539E9E)
YUV	135.5750, 11.0555, -46.1083
Hunter-Lab	53.6296, -20.7414, -3.0788

Details

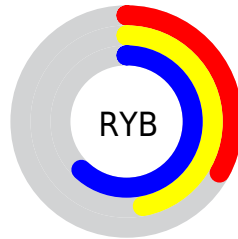
The XYZ color **21.9657, 28.7613, 36.7415** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.7561, 14.0811, 9.9140**, and the grayscale version is **23.2157, 24.4247, 26.5985**.

A 20% lighter version of the original color is **46.2857, 57.7959, 71.6670**, and **8.1612, 11.5518, 15.7095** is the 20% darker color. If you saturate the color by 10%, you get **20.7276, 28.1237, 36.6841**, and if you desaturate by 10%, it is **23.5232, 29.5649, 36.8152**.

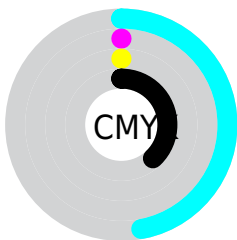
Distribution



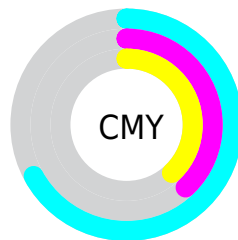
- Red (33%)
- Green (62%)
- Blue (62%)



- Red (33%)
- Yellow (47%)
- Blue (62%)



- Cyan (47%)
- Magenta (0%)
- Yellow (0%)
- Black (38%)



- Cyan (67%)
- Magenta (38%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9657, 28.7613, 36.7415 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 21.9657, 28.7613, 36.7415 by changing the saturation by 10% instead.

■ 21.9657, 28.7613,
36.7415

■ 21.9657, 28.7613,
36.7415

255.0028,
296.0870, 347.3249

■ 13.9482, 18.9003,
24.7132

■ 46.1686, 57.6976,
71.3569

■ 8.1661, 11.5983,
15.6464

■ 63.0846, 77.5418,
94.7811

■ 4.2541, 6.4708,
9.1227

■ 83.6975, 101.4824,
122.8410

■ 1.8469, 3.1334,
4.7234

■ 108.3727,
129.9039, 155.9551

■ 0.5457, 1.2018,
2.0300

■ 137.4755,
163.1908, 194.5420

■ 0.0000, 0.0631,
0.5736

171.3712,

■ 0.0000, 0.0000,

201.7273, 239.0203

0.0000

210.4252,
245.8979, 289.8084

■ 21.9657, 28.7613,
36.7415

■ 21.9657, 28.7613,
36.7415

■ 20.7276, 28.1237,
36.6841

■ 23.5232, 29.5649,
36.8152

■ 19.7845, 27.6376,
36.6398

■ 25.4173, 30.5413,
36.9039

■ 19.1126, 27.2912,
36.6082

■ 27.6671, 31.7012,
37.0094

■ 18.6833, 27.0699,
36.5880

■ 30.2896, 33.0531,
37.1322

■ 18.4489, 26.9490,
36.5769

■ 33.3004, 34.6052,
37.2733

■ 18.3988, 26.9232,
36.5745

■ 36.7146, 36.3653,
37.4332

■ 40.5462, 38.3405,
37.6127

■ 44.8086, 40.5379,
37.8123

■ 49.5148, 42.9640,
38.0327

Harmonies

Analogous

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



21.8582, 28.7613, 27.6607



21.9657, 28.7613, 36.7415



23.4408, 28.7613, 45.8217

Triad

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



21.9657, 28.7613, 36.7415



32.0188, 28.7613, 44.5770



28.6880, 28.7613, 17.2919

Complementary

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



21.9657, 28.7613, 36.7415



18.7561, 14.0811, 9.9140

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.



31.6421, 28.7613, 20.2490



21.9657, 28.7613, 36.7415



33.6618, 28.7613, 35.2803

Square

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



21.9657, 28.7613, 36.7415



29.1707, 28.7613, 50.9065



33.5189, 28.7613, 26.4531



25.5813, 28.7613, 17.5331

Rectangle

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



21.9657, 28.7613, 36.7415



25.0700, 28.7613, 50.1352



33.5189, 28.7613, 26.4531



29.7361, 28.7613, 17.9169

Sweetspot

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



21.9666, 28.7624, 36.7422



51.6874, 58.3125, 67.2743



17.4677, 26.9757, 12.4706



11.4422, 13.0379, 15.1571



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.



21.9666, 28.7624, 36.7422



37.5134, 51.0056, 66.6099



16.6687, 18.1664, 34.9768



6.8219, 7.5095, 8.4966



14.7350, 21.5620, 29.2914



0.2635, 0.3855, 0.5237

Inverse Universe

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



18.7561, 14.0811, 9.9140



30.9593, 21.0332, 11.8394



22.2895, 21.1480, 11.0916



6.6331, 6.6462, 6.9189



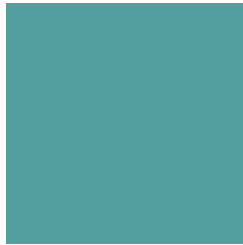
11.2931, 5.8218, 0.5286



0.2019, 0.1041, 0.0095

Previews

White Background



This preview shows how the XYZ color 21.9657, 28.7613, 36.7415 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 21.9657, 28.7613, 36.7415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

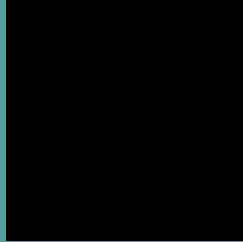
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.9657, 28.7613, 36.7415

Background



This preview shows how black text looks on a background with the XYZ color 21.9657, 28.7613, 36.7415.

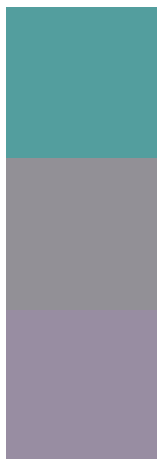


This preview shows how white text looks on a background with the XYZ color 21.9657, 28.7613,

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

21.9657, 28.7613, 36.7415

Protanopia

27.3323, 28.2595, 32.8682

Deuteranopia

28.9954, 28.3338, 38.1232



Tritanopia

22.9804, 28.6677, 41.8584

Trichromacy



Original Color

21.9657, 28.7613, 36.7415

Protanomaly

24.6656, 28.0058, 34.2426

Deuteranomaly

25.6191, 27.9527, 37.7633

Tritanomaly

22.6863, 28.8090, 39.9623

Monochromacy



Original Color

21.9657, 28.7613, 36.7415

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.3434, 25.7420, 30.1766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9657, 28.7613, 36.7415 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(83, 158, 158)` looks like.

```
.text, #text, p{  
    color:rgb(83, 158, 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(83, 158, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 158, 158) }
```

Border

The CSS property to change the border of an element to XYZ 21.9657, 28.7613, 36.7415 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(83, 158, 158) }
```


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

```
.border{ border-color:rgb(83, 158, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 158, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 158, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 158, 158);  
box-shadow:4px 4px 4px 4px rgb(83, 158,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9657, 28.7613, 36.7415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 158, 158) }
```

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

```
.background{ background-color: rgb(83, 158,  
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](#).

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