

Converting Colors

XYZ(21.6733, 27.9019, 34.8225)

Have a look what the booklet for
XYZ(21.6733, 27.9019, 34.8225)
contains.

XYZ(21.6739, 27.8996, 34.8147)	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(21.6739, 27.8996,
34.8147)**

Conversions

Conversions Part 1

Format	Color
Hex	599B9A
RGB	89, 155, 154
RGB Percent	35%, 61%, 60%
CMY	0.6510, 0.3921, 0.3961
CMYK	0.43, 0.00, 0.01, 0.39
HSL	179°, 27%, 48%
HSV	179°, 43%, 61%
XYZ	21.6739, 27.8996, 34.8147
YIQ	135.1520, -39.0150, -14.3030

Conversions

Conversions Part 2

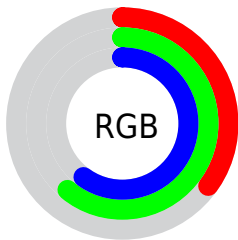
Format	Color
R_{YB}	89, 122, 155
Decimal	5872538
CIE _{Lab}	59.80, -21.24, -6.08
CIE _{LCh}	60, 22.096, 195.960
Yxy	27.8996, 0.2568, 0.3306
Android (android.graphics.Color)	4284062618 (0xFF599B9A)
YUV	135.1520, 9.2921, -40.4753
Hunter-Lab	52.8201, -19.1904, -2.1051

Details

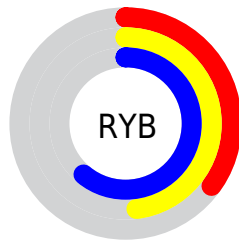
The XYZ color **21.6739, 27.8996, 34.8147** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.9364, 14.8523, 11.5426**, and the grayscale version is **23.0632, 24.2643, 26.4238**.

A 20% lighter version of the original color is **45.7595, 56.4869, 68.1658**, and **8.0582, 11.2200, 14.5729** is the 20% darker color. If you saturate the color by 10%, you get **20.3209, 27.2051, 34.6498**, and if you desaturate by 10%, it is **23.3417, 28.7578, 34.9957**.

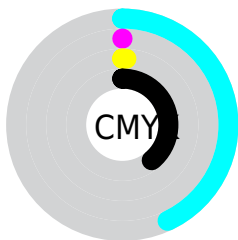
Distribution



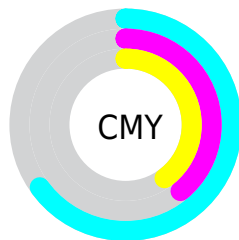
- Red (35%)
- Green (61%)
- Blue (60%)



- Red (35%)
- Yellow (48%)
- Blue (61%)



- Cyan (43%)
- Magenta (0%)
- Yellow (1%)
- Black (39%)



- Cyan (65%)
- Magenta (39%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6739, 27.8996, 34.8147 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 21.6739, 27.8996, 34.8147 by changing the saturation by 10% instead.

■ 21.6739, 27.8996,
34.8147

■ 21.6739, 27.8996,
34.8147

253.5030,
291.9869, 338.6290

■ 13.7327, 18.2500,
23.2378

■ 45.6893, 56.3241,
68.3469

■ 8.0155, 11.1296,
14.5622

■ 62.4943, 75.8678,
91.1393

■ 4.1567, 6.1541,
8.3695

■ 82.9845, 99.4783,
118.5072

■ 1.7912, 2.9390,
4.2412

■ 107.5255,
127.5400, 150.8692

■ 0.5124, 1.1000,
1.7586

136.4824,
160.4373, 188.6439

■ 0.0000, 0.0000,
0.4004

170.2208,

■ 0.0000, 0.0000,

198.5546, 232.2497

0.0000

209.1059,
242.2764, 282.1052

■ 21.6739, 27.8996,
34.8147

■ 21.6739, 27.8996,
34.8147

■ 20.3209, 27.2051,
34.6498

■ 23.3417, 28.7578,
34.9957

■ 19.2606, 26.6607,
34.4982

■ 25.3401, 29.7857,
35.1918

■ 18.4715, 26.2562,
34.3595

■ 27.6865, 30.9931,
35.4044

■ 17.9286, 25.9785,
34.2326

■ 30.3966, 32.3879,
35.6342

■ 17.6019, 25.8123,
34.1159

■ 33.4849, 33.9777,
35.8819

■ 17.4427, 25.7319,
34.0334

■ 36.9654, 35.7696,
36.1482

■ 40.8511, 37.7705,
36.4336

■ 45.1547, 39.9868,
36.7388

■ 49.8880, 42.4246,
37.0643

Harmonies

Analogous

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



21.6332, 27.8996, 26.7909



21.6739, 27.8996, 34.8147



22.9506, 27.8996, 42.8553

Triad

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



21.6739, 27.8996, 34.8147



30.5764, 27.8996, 42.3979



27.8446, 27.8996, 17.7474

Complementary

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



21.6739, 27.8996, 34.8147



18.9364, 14.8523, 11.5426

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.



30.4365, 27.8996, 20.5931



21.6739, 27.8996, 34.8147



32.0872, 27.8996, 34.2716

Square

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



21.6739, 27.8996, 34.8147



28.0248, 27.8996, 47.7316



32.0343, 27.8996, 26.3351



25.0657, 27.8996, 17.8409

Rectangle

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



21.6739, 27.8996, 34.8147



24.3857, 27.8996, 46.7348



32.0343, 27.8996, 26.3351



28.7705, 27.8996, 18.3668

Sweetspot

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



21.6747, 27.9007, 34.8153



49.2785, 55.3472, 63.3766



17.7516, 26.3437, 13.6011



10.9457, 12.4204, 14.3266



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.



21.6747, 27.9007, 34.8153



36.5183, 48.7848, 62.0685



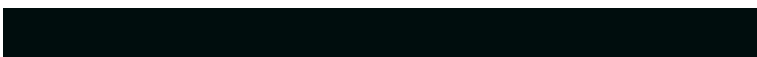
17.1324, 18.6821, 33.7145



6.3805, 7.0249, 7.9273



14.0109, 20.6678, 27.3419



0.2106, 0.3094, 0.4146

Inverse Universe

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



18.9364, 14.8523, 11.5426



30.9563, 22.2742, 14.7929



22.1469, 21.3413, 12.4039



6.2124, 6.2241, 6.4987



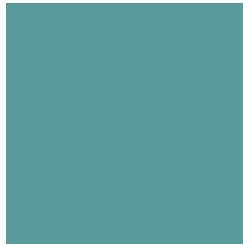
10.8691, 5.6019, 0.5695



0.1634, 0.0841, 0.0132

Previews

White Background



This preview shows how the XYZ color 21.6739, 27.8996, 34.8147 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 21.6739, 27.8996, 34.8147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

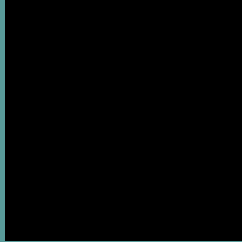
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6739, 27.8996, 34.8147

Background



This preview shows how black text looks on a background with the XYZ color 21.6739, 27.8996, 34.8147.

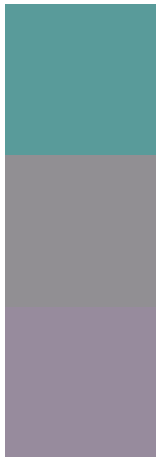


This preview shows how white text looks on a background with the XYZ color 21.6739, 27.8996,

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

21.6739, 27.8996, 34.8147

Protanopia

26.7660, 27.7712, 31.5534

Deuteranopia

28.0809, 27.4789, 35.7222



Tritanopia

22.6878, 27.8110, 40.2487

Trichromacy



Original Color

21.6739, 27.8996, 34.8147

Protanomaly

24.3962, 27.4294, 32.8628

Deuteranomaly

25.0282, 27.2403, 35.3913

Tritanomaly

22.3916, 27.9440, 38.3960

Monochromacy



Original Color

21.6739, 27.8996, 34.8147

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.0267, 25.1505, 29.2848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6739, 27.8996, 34.8147 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(89, 155, 154)` looks like.

```
.text, #text, p{  
    color:rgb(89, 155, 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(89, 155, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 155, 154) }
```

Border

The CSS property to change the border of an element to XYZ 21.6739, 27.8996, 34.8147 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(89, 155, 154) }
```


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

```
.border{ border-color:rgb(89, 155, 154) }
```

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

Here you see how a box with a 4 pixel rgb(89, 155, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 155, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 155, 154);  
box-shadow:4px 4px 4px 4px rgb(89, 155,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6739, 27.8996, 34.8147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 155, 154) }
```

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

```
.background{ background-color: rgb(89, 155,  
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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