

Converting Colors

XYZ(22.1765, 28.8065, 35.8569)

Have a look what the booklet for
XYZ(22.1765, 28.8065, 35.8569)
contains.

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Color

**XYZ(22.2521, 28.9287,
35.8635)**

Conversions

Conversions Part 1

Format	Color
Hex	589E9C
RGB	88, 158, 156
RGB Percent	35%, 62%, 61%
CMY	0.6549, 0.3804, 0.3882
CMYK	0.44, 0.00, 0.01, 0.38
HSL	178°, 28%, 48%
HSV	178°, 44%, 62%
XYZ	22.2521, 28.9287, 35.8635
YIQ	136.8420, -41.0780, -15.4620

Conversions

Conversions Part 2

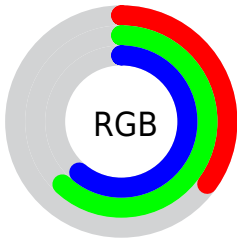
Format	Color
R_{YB}	88, 124, 158
Decimal	5807772
CIE _{Lab}	60.72, -22.52, -5.85
CIE _{LCh}	61, 23.267, 194.556
Yxy	28.9287, 0.2556, 0.3323
Android (android.graphics.Color)	4283997852 (0xFF589E9C)
YUV	136.8420, 9.4449, -42.8344
Hunter-Lab	53.7854, -20.2754, -1.8841

Details

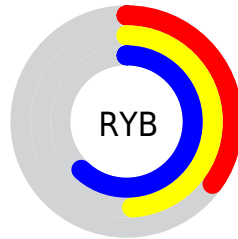
The XYZ color **22.2521, 28.9287, 35.8635** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.4367, 14.9876, 11.5423**, and the grayscale version is **23.6955, 24.9295, 27.1482**.

A 20% lighter version of the original color is **46.5824, 57.9924, 69.7113**, and **8.2995, 11.6351, 15.1730** is the 20% darker color. If you saturate the color by 10%, you get **20.8776, 28.2252, 35.6005**, and if you desaturate by 10%, it is **23.9526, 29.8016, 36.1438**.

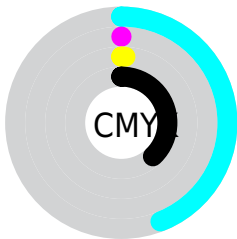
Distribution



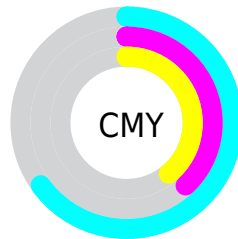
- Red (35%)
- Green (62%)
- Blue (61%)



- Red (35%)
- Yellow (49%)
- Blue (62%)



- Cyan (44%)
- Magenta (0%)
- Yellow (1%)
- Black (38%)



- Cyan (65%)
- Magenta (38%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2521, 28.9287, 35.8635 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 22.2521, 28.9287, 35.8635 by changing the saturation by 10% instead.

■ 22.2521, 28.9287,
35.8635

■ 22.2521, 28.9287,
35.8635

256.4677,
296.8784, 343.3829

■ 14.1599, 19.0269,
24.0399

■ 46.6381, 57.9638,
69.9880

■ 8.3144, 11.6897,
15.1508

■ 63.6625, 77.8658,
93.1260

■ 4.3503, 6.5328,
8.7775

■ 84.3952, 101.8701,
120.8726

■ 1.9021, 3.1717,
4.5015

■ 109.2013,
130.3610, 153.6463

■ 0.5781, 1.2220,
1.9043

138.4462,
163.7229, 191.8656

■ 0.0000, 0.0796,
0.4955

172.4953,

■ 0.0000, 0.0000,

202.3401, 235.9491

0.0000

211.7141,
246.5972, 286.3154

■ 22.2521, 28.9287,
35.8635

■ 22.2521, 28.9287,
35.8635

■ 20.8776, 28.2252,
35.6005

■ 23.9526, 29.8016,
36.1438

■ 19.8054, 27.6769,
35.3517

■ 25.9958, 30.8505,
36.4403

■ 19.0127, 27.2726,
35.1167

■ 28.4004, 32.0856,
36.7544


■ 18.4723, 26.9984,
34.8943


■ 31.1828, 33.5155,
37.0869


■ 18.1513, 26.8372,
34.6829


■ 34.3586, 35.1482,
37.4386

 18.0172, 26.7706,
34.5650

 37.9423, 36.9912,
37.8102

 41.9480, 39.0517,
38.2022

 46.3888, 41.3364,
38.6154

 51.2775, 43.8521,
39.0502

Harmonies

Analogous

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



22.2723, 28.9287, 27.2762



22.2521, 28.9287, 35.8635



23.5641, 28.9287, 44.6592

Triad

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



22.2521, 28.9287, 35.8635



31.7723, 28.9287, 44.8893



29.0705, 28.9287, 18.0395

Complementary

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



22.2521, 28.9287, 35.8635



19.4367, 14.9876, 11.5423

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.



31.8424, 28.9287, 21.2163



22.2521, 28.9287, 35.8635



33.4782, 28.9287, 36.1353

Square

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



22.2521, 28.9287, 35.8635



28.9805, 28.9287, 50.4816



33.5048, 28.9287, 27.5028



26.0628, 28.9287, 17.9936

Rectangle

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



22.2521, 28.9287, 35.8635



25.0770, 28.9287, 49.0188



33.5048, 28.9287, 27.5028



30.0655, 28.9287, 18.7465

Sweetspot

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



22.2530, 28.9298, 35.8642



52.0704, 58.5207, 66.8051



18.2381, 27.3498, 13.5510



11.5159, 13.0787, 15.0333



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.



22.2530, 28.9298, 35.8642



37.9717, 51.2854, 64.6604



17.5728, 19.2961, 35.1473



6.8137, 7.5062, 8.4533



14.4320, 21.4407, 27.6956



0.2603, 0.3843, 0.5073

Inverse Universe

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



19.4367, 14.9876, 11.5423



32.1989, 22.6887, 14.7919



22.6599, 21.5686, 12.2020



6.6404, 6.6491, 6.9573



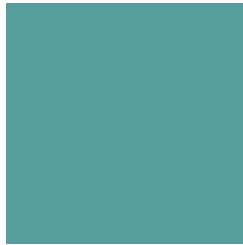
11.3155, 5.8308, 0.6463



0.2043, 0.1051, 0.0221

Previews

White Background



This preview shows how the XYZ color 22.2521, 28.9287, 35.8635 looks on a white background.

Color Contrast Check

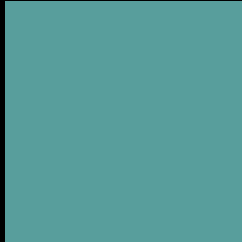
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2521, 28.9287, 35.8635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

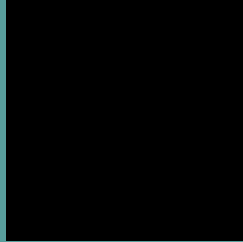
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.2521, 28.9287, 35.8635

Background



This preview shows how black text looks on a background with the XYZ color 22.2521, 28.9287, 35.8635.

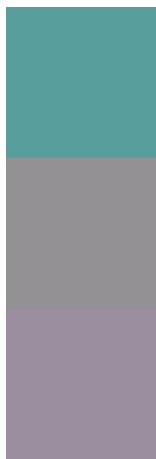


This preview shows how white text looks on a background with the XYZ color 22.2521, 28.9287,

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

22.2521, 28.9287, 35.8635

Protanopia

27.5033, 28.5920, 32.0862

Deuteranopia

29.2574, 28.7192, 36.8022



Tritanopia

23.4635, 28.9168, 41.8810

Trichromacy



Original Color

22.2521, 28.9287, 35.8635

Protanomaly

25.0964, 28.4827, 33.4531

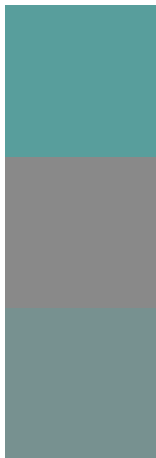
Deuteranomaly

25.9674, 28.3943, 36.4598

Tritanomaly

23.0722, 29.0184, 39.5070

Monochromacy



Original Color

22.2521, 28.9287, 35.8635

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.7672, 26.1864, 30.2401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2521, 28.9287, 35.8635 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(88, 158, 156)` looks like.

```
.text, #text, p{  
    color:rgb(88, 158, 156)  
}
```

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(88, 158, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 158, 156) }
```

Border

The CSS property to change the border of an element to XYZ 22.2521, 28.9287, 35.8635 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(88, 158, 156) }
```


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

```
.border{ border-color:rgb(88, 158, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 158, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 158, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 158, 156);  
box-shadow:4px 4px 4px 4px rgb(88, 158,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2521, 28.9287, 35.8635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 158, 156) }
```

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

```
.background{ background-color: rgb(88, 158,  
156) }
```

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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