

Converting Colors

XYZ(27.5640, 35.2590, 43.6919)

Have a look what the booklet for
XYZ(27.5640, 35.2590, 43.6919)
contains.

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Color

**XYZ(27.5827, 35.2701,
43.8821)**

Conversions

Conversions Part 1

Format	Color
Hex	66ACAB
RGB	102, 172, 171
RGB Percent	40%, 67%, 67%
CMY	0.6000, 0.3255, 0.3294
CMYK	0.41, 0.00, 0.01, 0.33
HSL	179°, 30%, 54%
HSV	179°, 41%, 67%
XYZ	27.5827, 35.2701, 43.8821
YIQ	150.9560, -41.3990, -15.1510

Conversions

Conversions Part 2

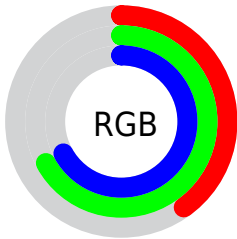
Format	Color
RYB	102, 137, 172
Decimal	6728875
CIELab	65.96, -22.24, -6.42
CIElCh	66, 23.147, 196.112
Yxy	35.2701, 0.2584, 0.3304
Android (android.graphics.Color)	4284918955 (0xFF66ACAB)
YUV	150.9560, 9.8817, -42.9344
Hunter-Lab	59.3886, -21.0268, -2.2372

Details

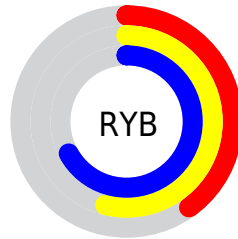
The XYZ color **27.5827, 35.2701, 43.8821** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.2140, 19.2537, 15.2734**, and the grayscale version is **29.3692, 30.8987, 33.6487**.

A 20% lighter version of the original color is **55.3755, 68.1459, 82.1864**, and **11.0989, 15.1299, 19.7882** is the 20% darker color. If you saturate the color by 10%, you get **25.8089, 34.3592, 43.6775**, and if you desaturate by 10%, it is **29.7631, 36.3923, 44.1075**.

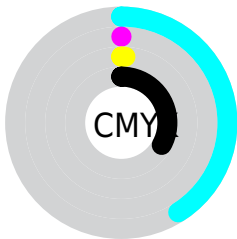
Distribution



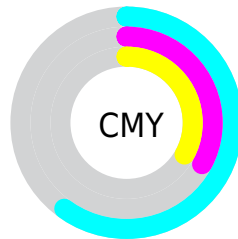
- Red (40%)
- Green (67%)
- Blue (67%)



- Red (40%)
- Yellow (54%)
- Blue (67%)



- Cyan (41%)
- Magenta (0%)
- Yellow (1%)
- Black (33%)



- Cyan (60%)
- Magenta (33%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5827, 35.2701, 43.8821 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 27.5827, 35.2701, 43.8821 by changing the saturation by 10% instead.

■ 27.5827, 35.2701,
43.8821

■ 27.5827, 35.2701,
43.8821

282.5839,
325.7589, 378.2542

■ 18.1502, 23.8710,
30.2413

■ 55.2308, 67.9040,
82.3409

■ 11.1582, 15.2380,
19.7682

■ 74.1771, 89.9076,
107.9960

■ 6.2414, 8.9866,
12.0443

■ 97.0254, 116.2148,
138.4929

■ 3.0345, 4.7324,
6.6509

■ 124.1410,
147.2100, 174.2502

■ 1.1720, 2.0911,
3.1697

155.8893,
183.2776, 215.6865

■ 0.0841, 0.6596,
1.1819

192.6357,

■ 0.0000, 0.0000,

224.8021, 263.2202

0.0000

234.7454,
272.1677, 317.2699

■ 27.5827, 35.2701,
43.8821

■ 27.5827, 35.2701,
43.8821

■ 25.8089, 34.3592,
43.6775

■ 29.7631, 36.3923,
44.1075

■ 24.4133, 33.6425,
43.4900

■ 32.3700, 37.7334,
44.3524

■ 23.3690, 33.1068,
43.3192


■ 35.4257, 39.3060,
44.6185


■ 22.6440, 32.7358,
43.1635

■ 38.9501, 41.1202,
44.9067


■ 22.2008, 32.5100,
43.0213


■ 42.9620, 43.1856,
45.2180

 21.9655, 32.3912,
42.8975

 47.4789, 45.5115,
45.5532

 52.5178, 48.1063,
45.9130

 58.0945, 50.9785,
46.2982

 63.5569, 53.7917,
46.6783

Harmonies

Analogous

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



27.5246, 35.2701, 34.0493



27.5827, 35.2701, 43.8821



29.1594, 35.2701, 53.6727

Triad

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



27.5827, 35.2701, 43.8821



38.5000, 35.2701, 53.0277



35.1298, 35.2701, 22.8419

Complementary

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



27.5827, 35.2701, 43.8821



24.2140, 19.2537, 15.2734

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.



38.3019, 35.2701, 26.3448



27.5827, 35.2701, 43.8821



40.3355, 35.2701, 43.1131

Square

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



27.5827, 35.2701, 43.8821



35.3853, 35.2701, 59.5364



40.2606, 35.2701, 33.4003



31.7275, 35.2701, 22.9763

Rectangle

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



27.5827, 35.2701, 43.8821



30.9250, 35.2701, 58.3716



40.2606, 35.2701, 33.4003



36.2630, 35.2701, 23.6033

Sweetspot

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



27.5837, 35.2715, 43.8829



63.3696, 70.8433, 80.8656



22.7645, 33.3592, 17.8103



13.6153, 15.3154, 17.5606



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



27.5837, 35.2715, 43.8829



47.0565, 62.4522, 79.2636



22.0394, 24.0293, 42.5078



8.2313, 9.0701, 10.2431



16.3471, 24.1041, 31.9312



0.4563, 0.6712, 0.8964

Inverse Universe

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



24.2140, 19.2537, 15.2734



40.0855, 29.3077, 20.0726



28.1935, 27.2926, 16.3532



8.0097, 8.0171, 8.3620



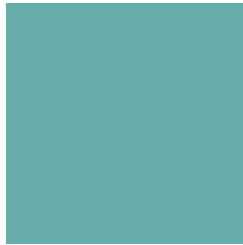
12.6724, 6.5315, 0.6546



0.3540, 0.1823, 0.0260

Previews

White Background



This preview shows how the XYZ color 27.5827, 35.2701, 43.8821 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 27.5827, 35.2701, 43.8821 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 ✓ Pass

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

XYZ 27.5827, 35.2701, 43.8821

Background



This preview shows how black text looks on a background with the XYZ color 27.5827, 35.2701, 43.8821.

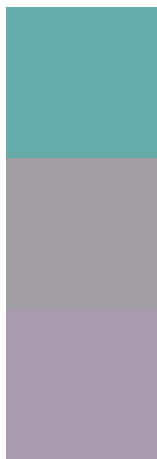


This preview shows how white text looks on a background with the XYZ color 27.5827, 35.2701,

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

27.5827, 35.2701, 43.8821

Protanopia

33.7069, 35.0177, 39.6329

Deuteranopia

35.6077, 34.8627, 45.4099



Tritanopia

28.9703, 35.2743, 50.6291

Trichromacy



Original Color

27.5827, 35.2701, 43.8821

Protanomaly

30.9736, 34.8795, 41.1763

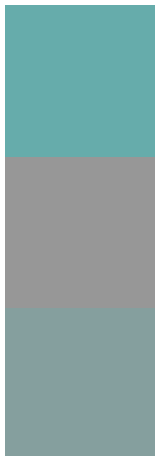
Deuteranomaly

31.8865, 34.4750, 45.0181

Tritanomaly

28.5253, 35.3838, 47.9741

Monochromacy



Original Color

27.5827, 35.2701, 43.8821

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.2426, 32.2514, 37.0844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5827, 35.2701, 43.8821 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(102, 172, 171)` looks like.

```
.text, #text, p{  
    color:rgb(102, 172, 171)  
}
```

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(102, 172, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 172, 171) }
```

Border

The CSS property to change the border of an element to XYZ 27.5827, 35.2701, 43.8821 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(102, 172, 171) }
```


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

```
.border{ border-color:rgb(102, 172, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 172, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 172, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 172, 171);  
box-shadow:4px 4px 4px 4px rgb(102, 172,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5827, 35.2701, 43.8821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 172, 171) }
```

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

```
.background{ background-color: rgb(102,  
172, 171) }
```

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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