

Converting Colors

XYZ(24.8869, 30.3208, 35.6076)

Have a look what the booklet for
XYZ(24.8869, 30.3208, 35.6076)
contains.

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Color

**XYZ(24.8253, 30.2650,
35.5436)**

Conversions

Conversions Part 1

Format	Color
Hex	709E9B
RGB	112, 158, 155
RGB Percent	44%, 62%, 61%
CMY	0.5608, 0.3804, 0.3922
CMYK	0.29, 0.00, 0.02, 0.38
HSL	176°, 19%, 53%
HSV	176°, 29%, 62%
XYZ	24.8253, 30.2650, 35.5436
YIQ	143.9040, -26.4530, -10.6850

Conversions

Conversions Part 2

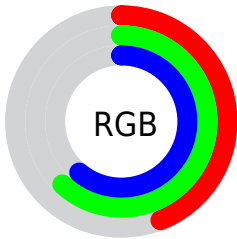
Format	Color
RYB	112, 136, 158
Decimal	7380635
CIELab	61.88, -16.09, -3.43
CIELCh	62, 16.449, 192.035
Yxy	30.2650, 0.2739, 0.3339
Android (android.graphics.Color)	4285570715 (0xFF709E9B)
YUV	143.9040, 5.4703, -27.9798
Hunter-Lab	55.0136, -15.7244, 0.2030

Details

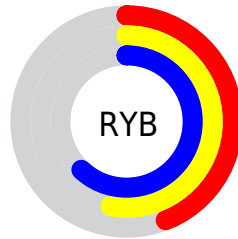
The XYZ color **24.8253, 30.2650, 35.5436** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.9902, 20.0960, 18.8880**, and the grayscale version is **26.4576, 27.8354, 30.3128**.

A 20% lighter version of the original color is **50.8199, 60.1913, 69.2612**, and **9.7430, 12.5390, 15.0035** is the 20% darker color. If you saturate the color by 10%, you get **22.9027, 29.2846, 35.0041**, and if you desaturate by 10%, it is **27.1032, 31.4300, 36.1049**.

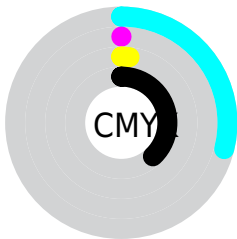
Distribution



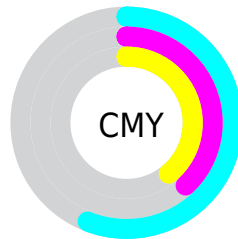
- Red (44%)
- Green (62%)
- Blue (61%)



- Red (44%)
- Yellow (53%)
- Blue (62%)



- Cyan (29%)
- Magenta (0%)
- Yellow (2%)
- Black (38%)



- Cyan (56%)
- Magenta (38%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8253, 30.2650, 35.5436 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 24.8253, 30.2650, 35.5436 by changing the saturation by 10% instead.

■ 24.8253, 30.2650,
35.5436

■ 24.8253, 30.2650,
35.5436

269.3305,
303.1377, 341.9382

■ 16.0750, 20.0398,
23.7950

■ 50.8186, 60.0810,
69.4881

■ 9.6684, 12.4240,
14.9708

■ 68.7923, 80.4406,
92.5212

■ 5.2402, 7.0331,
8.6525

■ 90.5712, 104.9472,
120.1528

■ 2.4251, 3.4828,
4.4215

■ 116.5206,
133.9850, 152.8015

■ 0.8576, 1.3887,
1.8593

147.0058,
167.9386, 190.8858

■ 0.0000, 0.2084,
0.4667

182.3924,

■ 0.0000, 0.0000,

207.1924, 234.8244

0.0000

223.0455,
252.1306, 285.0356

■ 24.8253, 30.2650,
35.5436

■ 24.8253, 30.2650,
35.5436

■ 22.9027, 29.2846,
35.0041

■ 27.1032, 31.4300,
36.1049

■ 21.3143, 28.4756,
34.4835

■ 29.7509, 32.7848,
36.6867

■ 20.0410, 27.8290,
33.9814

■ 32.7851, 34.3388,
37.2905

■ 19.0603, 27.3331,
33.4969

■ 36.2211, 36.0998,
37.9169

■ 18.3472, 26.9751,
33.0287

■ 40.0729, 38.0751,
38.5668

■ 17.8721, 26.7398,
32.5754

■ 44.3543, 40.2717,
39.2406

■ 17.5730, 26.5951,
32.1342

■ 49.0780, 42.6963,
39.9391

■ 17.5483, 26.5831,
32.0954

■ 54.2564, 45.3553,
40.6627

■ 59.9016, 48.2547,
41.4122

Harmonies

Analogous

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



24.9281, 30.2650, 29.3574



24.8253, 30.2650, 35.5436



25.7381, 30.2650, 41.7458

Triad

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



24.8253, 30.2650, 35.5436



31.6913, 30.2650, 42.7916



30.0901, 30.2650, 22.7236

Complementary

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



24.8253, 30.2650, 35.5436



22.9902, 20.0960, 18.8880

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.



32.0224, 30.2650, 25.4914



24.8253, 30.2650, 35.5436



32.9789, 30.2650, 36.8317

Square

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



24.8253, 30.2650, 35.5436



29.6567, 30.2650, 46.2735



33.1030, 30.2650, 30.4923



27.8933, 30.2650, 22.4715

Rectangle

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



24.8253, 30.2650, 35.5436



26.8282, 30.2650, 44.8489



33.1030, 30.2650, 30.4923



30.7949, 30.2650, 23.3726

Sweetspot

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



24.8262, 30.2662, 35.5443



53.9934, 59.5183, 66.6135



22.2314, 29.2741, 19.8085



12.0136, 13.3369, 14.9845



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.



24.8262, 30.2662, 35.5443



42.7174, 53.7537, 63.8971



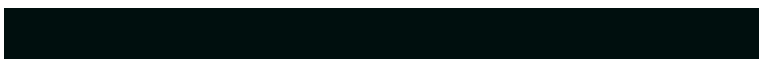
21.9525, 24.1104, 35.8459



6.8032, 7.5020, 8.3980



14.0594, 21.2917, 25.7336



0.2564, 0.3827, 0.4866

Inverse Universe

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



22.9902, 20.0960, 18.8880



38.8257, 32.1855, 28.5827



25.2684, 24.9244, 18.8088



6.6497, 6.6528, 7.0067



11.3442, 5.8422, 0.7974



0.2074, 0.1063, 0.0383

Previews

White Background



This preview shows how the XYZ color 24.8253, 30.2650, 35.5436 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 24.8253, 30.2650, 35.5436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

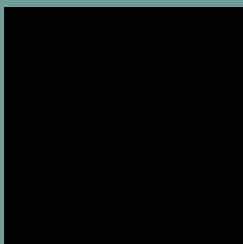
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

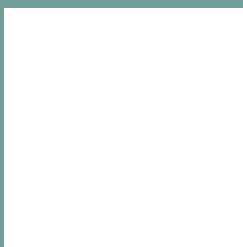
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8253, 30.2650, 35.5436

Background



This preview shows how black text looks on a background with the XYZ color 24.8253, 30.2650, 35.5436.



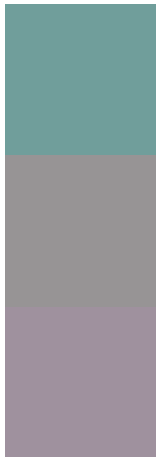
This preview shows how white text looks on a background with the XYZ color 24.8253, 30.2650,

35.5436.

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

24.8253, 30.2650, 35.5436

Protanopia

28.7772, 29.9290, 32.6939

Deuteranopia

30.5950, 30.0903, 36.5432



Tritanopia

26.0266, 30.2489, 41.5127

Trichromacy



Original Color

24.8253, 30.2650, 35.5436

Protanomaly

27.1307, 30.0092, 33.6406

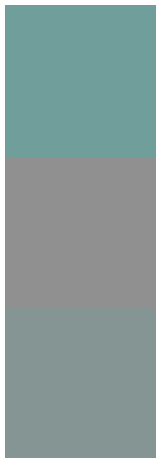
Deuteranomaly

28.1475, 29.9978, 36.2049

Tritanomaly

25.6073, 30.3357, 39.1561

Monochromacy



Original Color

24.8253, 30.2650, 35.5436

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.6085, 28.5385, 32.1758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8253, 30.2650, 35.5436 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(112, 158, 155)` looks like.

```
.text, #text, p{  
    color:rgb(112, 158, 155)  
}
```

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(112, 158, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 158, 155) }
```

Border

The CSS property to change the border of an element to XYZ 24.8253, 30.2650, 35.5436 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(112, 158, 155) }
```


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

```
.border{ border-color:rgb(112, 158, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 158, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 158, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 158, 155);  
box-shadow:4px 4px 4px 4px rgb(112, 158,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8253, 30.2650, 35.5436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 158, 155) }
```

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

```
.background{ background-color: rgb(112,  
158, 155) }
```

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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