

Converting Colors

XYZ(24.8489, 28.6859, 56.2708)

Have a look what the booklet for
XYZ(24.8489, 28.6859, 56.2708)
contains.

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Color

**XYZ(24.8347, 28.5618,
56.4286)**

Conversions

Conversions Part 1

Format	Color
Hex	5299C4
RGB	82, 153, 196
RGB Percent	32%, 60%, 77%
CMY	0.6784, 0.4000, 0.2314
CMYK	0.58, 0.22, 0.00, 0.23
HSL	203°, 49%, 55%
HSV	203°, 58%, 77%
XYZ	24.8347, 28.5618, 56.4286
YIQ	136.6730, -56.1190, -1.6790

Conversions

Conversions Part 2

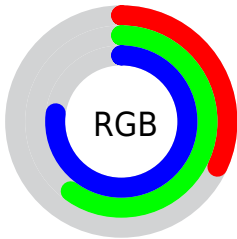
Format	Color
R_{YB}	82, 126, 196
Decimal	5413316
CIE _{Lab}	60.39, -9.63, -28.94
CIE _{LCh}	60, 30.496, 251.596
Yxy	28.5618, 0.2261, 0.2601
Android (android.graphics.Color)	4283603396 (0xFF5299C4)
YUV	136.6730, 29.2482, -47.9482
Hunter-Lab	53.4432, -10.5780, -25.1917

Details

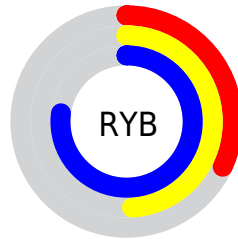
The XYZ color **24.8347, 28.5618, 56.4286** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **31.6226, 27.0135, 11.5312**, and the grayscale version is **23.5639, 24.7911, 26.9975**.

A 20% lighter version of the original color is **50.8577, 57.2929, 101.3067**, and **9.6589, 11.4686, 27.2958** is the 20% darker color. If you saturate the color by 10%, you get **22.1948, 25.4603, 55.9696**, and if you desaturate by 10%, it is **28.0383, 32.0663, 56.9367**.

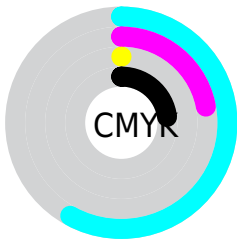
Distribution



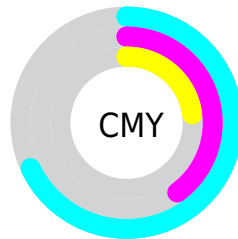
- Red (32%)
- Green (60%)
- Blue (77%)



- Red (32%)
- Yellow (49%)
- Blue (77%)



- Cyan (58%)
- Magenta (22%)
- Yellow (0%)
- Black (23%)



- Cyan (68%)
- Magenta (40%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8347, 28.5618, 56.4286 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 24.8347, 28.5618, 56.4286 by changing the saturation by 10% instead.

■ 24.8347, 28.5618,
56.4286

■ 24.8347, 28.5618,
56.4286

269.3766,
295.1418, 428.7383

■ 16.0820, 18.7496,
40.1404

■ 50.8338, 57.3801,
101.1230

■ 9.6734, 11.4895,
27.3334

■ 68.8108, 77.1551,
130.3662

■ 5.2436, 6.3971,
17.5891

■ 90.5934, 101.0197,
164.7649

■ 2.4271, 3.0880,
10.4890

■ 116.5469,
129.3583, 204.7375

■ 0.8586, 1.1778,
5.6146

147.0366,
162.5555, 250.7026

■ 0.0000, 0.0435,
2.5472

182.4279,

■ 0.0000, 0.0000,

200.9955, 303.0788

0.8650

223.0861,
245.0628, 362.2845

■ 0.0000, 0.0000,
0.0000

■ 24.8347, 28.5618,
56.4286

■ 24.8347, 28.5618,
56.4286

■ 22.1948, 25.4603,
55.9696

■ 28.0383, 32.0663,
56.9367

■ 20.0715, 22.7339,
55.5553

■ 31.8416, 35.9926,
57.4941

■ 18.4145, 20.3552,
55.1835

■ 36.2808, 40.3619,
58.1035

■ 17.1454, 18.2816,
54.8501

■ 41.3883, 45.1928,
58.7668

■ 16.9320, 17.9218,
54.7919

■ 47.1942, 50.5025,
59.4857

■ 53.7266, 56.3074,
60.2618

■ 61.0120, 62.6227,
61.0968

■ 69.0755, 69.4632,
61.9922

■ 76.6766, 76.1909,
62.8901

Harmonies

Analogous

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



21.8880, 28.5618, 47.7569



24.8347, 28.5618, 56.4286



28.6916, 28.5618, 57.4222

Triad

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



24.8347, 28.5618, 56.4286



35.2265, 28.5618, 26.9559



22.4413, 28.5618, 17.5800

Complementary

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



24.8347, 28.5618, 56.4286



31.6226, 27.0135, 11.5312

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.



25.6591, 28.5618, 14.3748



24.8347, 28.5618, 56.4286



33.1876, 28.5618, 18.8496

Square

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



24.8347, 28.5618, 56.4286



34.9514, 28.5618, 38.4298



29.5988, 28.5618, 14.7754



20.6007, 28.5618, 24.7652

Rectangle

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



24.8347, 28.5618, 56.4286



31.2938, 28.5618, 53.3658



29.5988, 28.5618, 14.7754



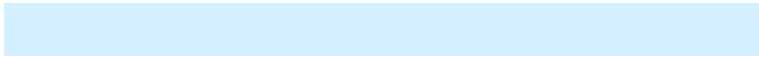
23.3840, 28.5618, 16.0895

Sweetspot

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



24.8357, 28.5628, 56.4293



75.8643, 82.6925, 106.5705



26.8460, 42.7246, 25.8356



15.8074, 17.2991, 22.7559



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



24.8357, 28.5628, 56.4293



38.9832, 44.6027, 101.1623



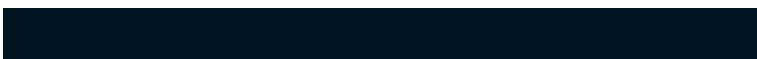
17.7378, 14.3670, 54.0633



10.0390, 10.7693, 12.8344



10.9645, 11.6854, 35.2342



0.5383, 0.6341, 1.5439

Inverse Universe

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



31.5329, 20.0713, 32.3501



52.9006, 30.1147, 50.4153



40.7719, 45.3123, 14.5810



10.3310, 10.1810, 11.8335



16.9303, 8.4619, 12.8111



0.7641, 0.3787, 0.7252

Previews

White Background



This preview shows how the XYZ color 24.8347, 28.5618, 56.4286 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 24.8347, 28.5618, 56.4286 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 24.8347, 28.5618, 56.4286

Background



This preview shows how black text looks on a background with the XYZ color 24.8347, 28.5618, 56.4286.

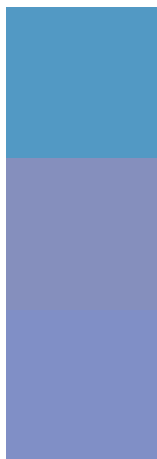


This preview shows how white text looks on a background with the XYZ color 24.8347, 28.5618,

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

24.8347, 28.5618, 56.4286

Protanopia

28.6806, 28.3056, 52.0960

Deuteranopia

28.9176, 28.3113, 57.3666



Tritanopia

22.0811, 28.6956, 42.4052

Trichromacy



Original Color

24.8347, 28.5618, 56.4286

Protanomaly

26.8876, 28.2506, 53.9050

Deuteranomaly

27.0673, 28.2782, 56.8550

Tritanomaly

22.9268, 28.5275, 46.9458

Monochromacy



Original Color

24.8347, 28.5618, 56.4286

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.3301, 25.8955, 36.1164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8347, 28.5618, 56.4286 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(82, 153, 196)` looks like.

```
.text, #text, p{  
    color:rgb(82, 153, 196)  
}
```

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(82, 153, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 153, 196) }
```

Border

The CSS property to change the border of an element to XYZ 24.8347, 28.5618, 56.4286 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(82, 153, 196) }
```


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

```
.border{ border-color:rgb(82, 153, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 153, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 153, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 153, 196);  
box-shadow:4px 4px 4px 4px rgb(82, 153,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8347, 28.5618, 56.4286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 153, 196) }
```

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

```
.background{ background-color: rgb(82, 153,  
196) }
```

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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