

Converting Colors

XYZ(24.8580, 28.9934, 56.2755)

Have a look what the booklet for
XYZ(24.8580, 28.9934, 56.2755)
contains.

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Color

**XYZ(24.9934, 29.1337,
56.5306)**

Conversions

Conversions Part 1

Format	Color
Hex	509BC4
RGB	80, 155, 196
RGB Percent	31%, 61%, 77%
CMY	0.6863, 0.3921, 0.2314
CMYK	0.59, 0.21, 0.00, 0.23
HSL	201°, 50%, 54%
HSV	201°, 59%, 77%
XYZ	24.9934, 29.1337, 56.5306
YIQ	137.2490, -57.8610, -3.1490

Conversions

Conversions Part 2

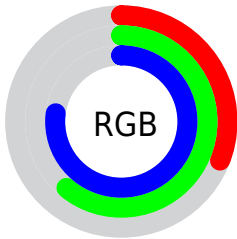
Format	Color
R _Y B	80, 126, 196
Decimal	5282756
CIE Lab	60.90, -11.13, -28.16
CIE LCh	61, 30.280, 248.430
Yxy	29.1337, 0.2259, 0.2633
Android (android.graphics.Color)	4283472836 (0xFF509BC4)
YUV	137.2490, 28.9642, -50.2074
Hunter-Lab	53.9756, -11.8030, -24.3136

Details

The XYZ color **24.9934, 29.1337, 56.5306** 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 **31.0512, 25.9909, 10.9707**, and the grayscale version is **23.7825, 25.0211, 27.2479**.

A 20% lighter version of the original color is **51.0113, 58.0961, 101.4536**, and **9.8328, 11.8536, 27.3609** is the 20% darker color. If you saturate the color by 10%, you get **22.4536, 26.1622, 56.0915**, and if you desaturate by 10%, it is **28.0839, 32.4885, 57.0158**.

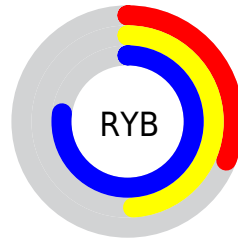
Distribution



Red (31%)

Green (61%)

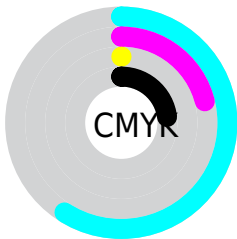
Blue (77%)



Red (31%)

Yellow (49%)

Blue (77%)

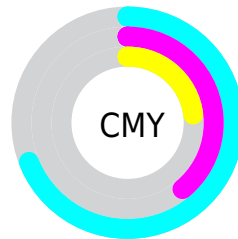


Cyan (59%)

Magenta (21%)

Yellow (0%)

Black (23%)



Cyan (69%)

Magenta (39%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9934, 29.1337, 56.5306 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 24.9934, 29.1337, 56.5306 by changing the saturation by 10% instead.

■ 24.9934, 29.1337,
56.5306

■ 24.9934, 29.1337,
56.5306

270.1533,
297.8453, 429.1324

■ 16.2008, 19.1820,
40.2216

■ 51.0895, 58.2894,
101.2735

■ 9.7581, 11.8019,
27.3963

■ 69.1237, 78.2623,
130.5445

■ 5.2999, 6.6089,
17.6360

■ 90.9692, 102.3442,
164.9732

■ 2.4608, 3.2187,
10.5223

■ 116.9914,
130.9198, 204.9783

■ 0.8756, 1.2470,
5.6365

147.5555,
164.3732, 250.9782

■ 0.0000, 0.0996,
2.5601

183.0270,

■ 0.0000, 0.0000,

203.0890, 303.3915

0.8718

223.7711,
247.4516, 362.6367

■ 0.0000, 0.0000,
0.0000

■ 24.9934, 29.1337,
56.5306

■ 24.9934, 29.1337,
56.5306

■ 22.4536, 26.1622,
56.0915

■ 28.0839, 32.4885,
57.0158

■ 20.4172, 23.5461,
55.6938

■ 31.7614, 36.2451,
57.5471

■ 18.8330, 21.2582,
55.3357

■ 36.0623, 40.4244,
58.1271

■ 17.6111, 19.2501,
55.0125

■ 41.0188, 45.0446,
58.7576

■ 17.5177, 19.0932,
54.9872

■ 46.6611, 50.1227,
59.4404

■ 53.0173, 55.6746,
60.1770

■ 60.1138, 61.7154,
60.9690

■ 67.9756, 68.2594,
61.8178

■ 76.1074, 75.0525,
62.7004

Harmonies

Analogous

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



22.1611, 29.1337, 47.2392



24.9934, 29.1337, 56.5306



28.8183, 29.1337, 58.4438

Triad

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



24.9934, 29.1337, 56.5306



35.8965, 29.1337, 28.6408



23.2365, 29.1337, 17.5602

Complementary

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



24.9934, 29.1337, 56.5306



31.0512, 25.9909, 10.9707

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.



26.5930, 29.1337, 14.7136



24.9934, 29.1337, 56.5306



34.0712, 29.1337, 20.0395

Square

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



24.9934, 29.1337, 56.5306



35.3648, 29.1337, 40.4015



30.5754, 29.1337, 15.4984



21.2158, 29.1337, 24.3835

Rectangle

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



24.9934, 29.1337, 56.5306



31.4631, 29.1337, 54.9303



30.5754, 29.1337, 15.4984



24.2326, 29.1337, 16.1903

Sweetspot

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



24.9944, 29.1348, 56.5313



75.1739, 82.3922, 106.5489



26.4758, 42.5568, 24.7809



15.4881, 17.0829, 22.7310



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.



24.9944, 29.1348, 56.5313



39.5027, 45.9389, 101.3928



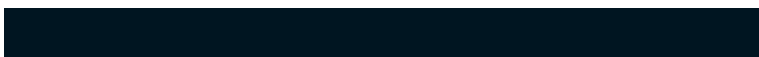
17.5849, 14.3157, 54.0615



10.0593, 10.8099, 12.8412



11.3393, 12.4350, 35.3592



0.5528, 0.6630, 1.5487

Inverse Universe

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



31.5508, 19.8407, 33.1781



53.0903, 29.9128, 52.2703



40.2537, 44.3959, 14.0382



10.3412, 10.1851, 11.8875



17.1195, 8.5376, 13.8073



0.7714, 0.3816, 0.7637

Previews

White Background



This preview shows how the XYZ color 24.9934, 29.1337, 56.5306 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 24.9934, 29.1337, 56.5306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

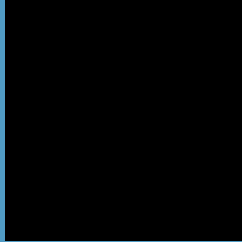
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.9934, 29.1337, 56.5306

Background



This preview shows how black text looks on a background with the XYZ color 24.9934, 29.1337, 56.5306.

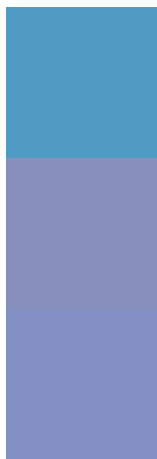


This preview shows how white text looks on a background with the XYZ color 24.9934, 29.1337,

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

24.9934, 29.1337, 56.5306

Protanopia

29.0420, 28.7283, 51.5914

Deuteranopia

29.5264, 28.8490, 57.4383



Tritanopia

22.3703, 29.0769, 43.4631

Trichromacy



Original Color

24.9934, 29.1337, 56.5306

Protanomaly

27.0641, 28.5862, 53.3815

Deuteranomaly

27.3500, 28.6558, 56.9129

Tritanomaly

23.3914, 29.2458, 48.1282

Monochromacy



Original Color

24.9934, 29.1337, 56.5306

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.3473, 26.1281, 36.1605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9934, 29.1337, 56.5306 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(80, 155, 196)` looks like.

```
.text, #text, p{  
    color:rgb(80, 155, 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(80, 155, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 155, 196) }
```

Border

The CSS property to change the border of an element to XYZ 24.9934, 29.1337, 56.5306 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(80, 155, 196) }
```


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

```
.border{ border-color:rgb(80, 155, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 155, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 155, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 155, 196);  
box-shadow:4px 4px 4px 4px rgb(80, 155,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9934, 29.1337, 56.5306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 155, 196) }
```

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

```
.background{ background-color: rgb(80, 155,  
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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