

Converting Colors

XYZ(23.8519, 26.3728, 69.9457)

Have a look what the booklet for
XYZ(23.8519, 26.3728, 69.9457)
contains.

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Color

**XYZ(23.8516, 26.3227,
70.1533)**

Conversions

Conversions Part 1

Format	Color
Hex	2593DA
RGB	37, 147, 218
RGB Percent	15%, 58%, 85%
CMY	0.8548, 0.4235, 0.1451
CMYK	0.83, 0.33, 0.00, 0.15
HSL	204°, 71%, 50%
HSV	204°, 83%, 85%
XYZ	23.8516, 26.3227, 70.1533
YIQ	122.2040, -88.3510, -1.2390

Conversions

Conversions Part 2

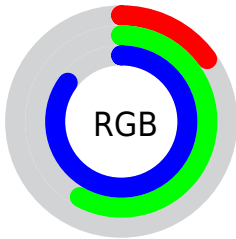
Format	Color
R _Y B	37, 105, 218
Decimal	2462682
CIE Lab	58.34, -5.06, -44.56
CIE LCh	58, 44.851, 263.518
Yxy	26.3227, 0.1982, 0.2188
Android (android.graphics.Color)	4280652762 (0xFF2593DA)
YUV	122.2040, 47.2274, -74.7239
Hunter-Lab	51.3057, -6.8016, -45.1568

Details

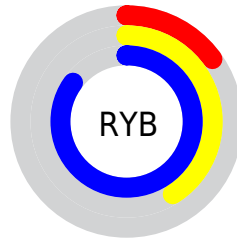
The XYZ color **23.8516, 26.3227, 70.1533** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **34.6126, 25.7686, 4.9015**, and the grayscale version is **18.4388, 19.3990, 21.1255**.

A 20% lighter version of the original color is **45.7467, 52.5040, 102.3309**, and **10.8856, 11.1937, 36.2372** is the 20% darker color. If you saturate the color by 10%, you get **22.0087, 23.4715, 69.7007**, and if you desaturate by 10%, it is **26.2617, 29.6137, 70.6621**.

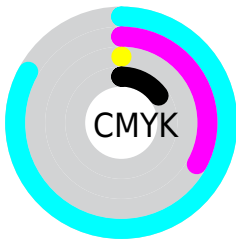
Distribution



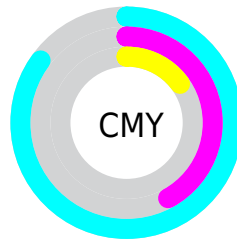
- Red (15%)
- Green (58%)
- Blue (85%)



- Red (15%)
- Yellow (41%)
- Blue (85%)



- Cyan (83%)
- Magenta (33%)
- Yellow (0%)
- Black (15%)



- Cyan (85%)
- Magenta (42%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8516, 26.3227, 70.1533 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 23.8516, 26.3227, 70.1533 by changing the saturation by 10% instead.

■ 23.8516, 26.3227,
70.1533

■ 23.8516, 26.3227,
70.1533

264.5238,
284.3626, 479.8917

■ 15.3477, 17.0652,
51.1739

■ 49.2444, 53.7951,
121.1105

■ 9.1517, 10.2810,
35.9694

■ 66.8640, 72.7788,
153.9254

■ 4.8982, 5.5857,
24.1210

■ 88.2528, 95.7733,
192.1893

■ 2.2218, 2.5948,
15.2104

■ 113.7763,
123.1631, 236.3207

■ 0.7542, 0.9241,
8.8189

■ 143.7998,
155.3325, 286.7381

■ 0.0000, 0.0000,
4.5281

178.6886,

■ 0.0000, 0.0000,

192.6660, 343.8600

1.9193

218.8082,
235.5479, 408.1051

■ 0.0000, 0.0000,
0.5050

■ 0.0000, 0.0000,
0.0000

■ 23.8516, 26.3227,
70.1533

■ 23.8516, 26.3227,
70.1533

■ 22.0087, 23.4715,
69.7007

■ 26.2617, 29.6137,
70.6621

■ 20.9712, 21.6945,
69.4123

■ 29.3103, 33.3835,
71.2290

■ 33.0604, 37.6676,
71.8583

■ 37.5658, 42.4970,
72.5530

■ 42.8749, 47.8991,
73.3159

■ 49.0315, 53.8995,
74.1496

■ 56.0763, 60.5218,
75.0565

■ 64.0472, 67.7880,
76.0389

■ 72.9796, 75.7190,
77.0990

Harmonies

Analogous

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



19.2781, 26.3227, 60.2962



23.8516, 26.3227, 70.1533



29.4494, 26.3227, 66.0465

Triad

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



23.8516, 26.3227, 70.1533



35.9408, 26.3227, 18.2536



17.4871, 26.3227, 14.2359

Complementary

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



23.8516, 26.3227, 70.1533



34.6126, 25.7686, 4.9015

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.



21.0567, 26.3227, 8.9782



23.8516, 26.3227, 70.1533



31.7994, 26.3227, 10.6378

Square

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



23.8516, 26.3227, 70.1533



36.9761, 26.3227, 32.1934



26.2238, 26.3227, 7.9557



15.9651, 26.3227, 25.3968

Rectangle

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



23.8516, 26.3227, 70.1533



32.9723, 26.3227, 56.4828



26.2238, 26.3227, 7.9557



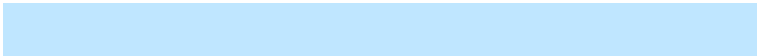
18.4599, 26.3227, 11.9112

Sweetspot

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



23.8526, 26.3236, 70.1540



67.8930, 74.9172, 105.4899



28.4575, 51.5858, 22.2011



13.8562, 15.3794, 22.4882



0.0000, 0.0000, 0.0000



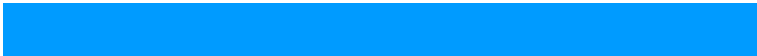
20.3446, 21.4041, 23.3091

Same Dimension

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



23.8526, 26.3236, 70.1540



29.7651, 30.6502, 98.9550



14.9385, 8.4954, 67.1826



12.9938, 13.9274, 16.6555



12.6714, 13.2122, 41.6208



0.9039, 1.0219, 2.7241

Inverse Universe

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



34.8424, 18.3366, 29.3072



47.1532, 23.6253, 33.0687



49.1884, 54.9202, 9.7601



13.3867, 13.1838, 15.2978



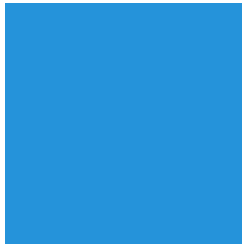
19.8913, 9.9575, 14.3393



1.3305, 0.6619, 1.1495

Previews

White Background



This preview shows how the XYZ color 23.8516, 26.3227, 70.1533 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 23.8516, 26.3227, 70.1533 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

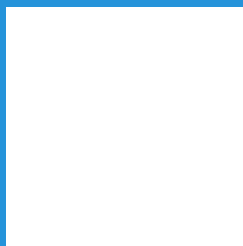
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8516, 26.3227, 70.1533

Background



This preview shows how black text looks on a background with the XYZ color 23.8516, 26.3227, 70.1533.

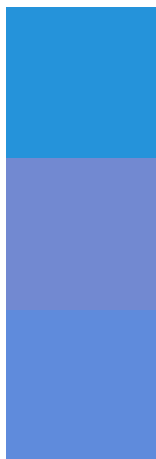


This preview shows how white text looks on a background with the XYZ color 23.8516, 26.3227,

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

23.8516, 26.3227, 70.1533

Protanopia

27.3937, 26.0722, 63.9102

Deuteranopia

26.8702, 26.0654, 71.3251



Tritanopia

18.6964, 26.2327, 40.6372

Trichromacy



Original Color

23.8516, 26.3227, 70.1533

Protanomaly

25.2463, 25.7817, 65.9331

Deuteranomaly

25.2832, 25.9163, 70.6876

Tritanomaly

20.2571, 26.0872, 50.4220

Monochromacy



Original Color

23.8516, 26.3227, 70.1533

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.5165, 20.8911, 34.9547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8516, 26.3227, 70.1533 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(37, 147, 218)` looks like.

```
.text, #text, p{  
    color:rgb(37, 147, 218)  
}
```

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(37, 147, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 147, 218) }
```

Border

The CSS property to change the border of an element to XYZ 23.8516, 26.3227, 70.1533 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(37, 147, 218) }
```


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

```
.border{ border-color:rgb(37, 147, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 147, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 147, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 147, 218);  
box-shadow:4px 4px 4px 4px rgb(37, 147,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8516, 26.3227, 70.1533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 147, 218) }
```

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

```
.background{ background-color: rgb(37, 147,  
218) }
```

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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