

Converting Colors

XYZ(23.9154, 26.1909, 71.0226)

Have a look what the booklet for
XYZ(23.9154, 26.1909, 71.0226)
contains.

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Color

**XYZ(23.8280, 26.0656,
70.7931)**

Conversions

Conversions Part 1

Format	Color
Hex	2592DB
RGB	37, 146, 219
RGB Percent	15%, 57%, 86%
CMY	0.8548, 0.4274, 0.1412
CMYK	0.83, 0.33, 0.00, 0.14
HSL	204°, 72%, 50%
HSV	204°, 83%, 86%
XYZ	23.8280, 26.0656, 70.7931
YIQ	121.7310, -88.3970, -0.4050

Conversions

Conversions Part 2

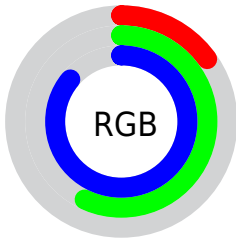
Format	Color
RYP	37, 105, 219
Decimal	2462427
CIELab	58.10, -4.12, -45.51
CIElCh	58, 45.692, 264.826
Yxy	26.0656, 0.1974, 0.2160
Android (android.graphics.Color)	4280652507 (0xFF2592DB)
YUV	121.7310, 47.9536, -74.3091
Hunter-Lab	51.0545, -6.0363, -46.4745

Details

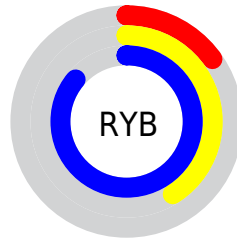
The XYZ color **23.8280, 26.0656, 70.7931** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **35.1256, 26.3493, 4.9863**, and the grayscale version is **18.2825, 19.2347, 20.9465**.

A 20% lighter version of the original color is **45.5143, 52.0393, 102.2535**, and **10.8837, 11.0461, 36.6804** is the 20% darker color. If you saturate the color by 10%, you get **21.9617, 23.1701, 70.3331**, and if you desaturate by 10%, it is **26.2709, 29.4135, 71.3111**.

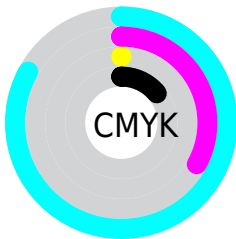
Distribution



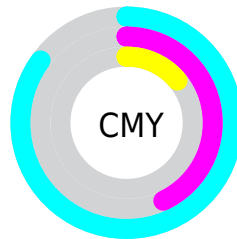
- Red (15%)
- Green (57%)
- Blue (86%)



- Red (15%)
- Yellow (41%)
- Blue (86%)



- Cyan (83%)
- Magenta (33%)
- Yellow (0%)
- Black (14%)



- Cyan (85%)
- Magenta (43%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8280, 26.0656, 70.7931 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 23.8280, 26.0656, 70.7931 by changing the saturation by 10% instead.

■ 23.8280, 26.0656,
70.7931

■ 23.8280, 26.0656,
70.7931

264.4064,
283.1040, 482.1940

■ 15.3301, 16.8727,
51.6926

■ 49.2061, 53.3808,
122.0308

■ 9.1392, 10.1438,
36.3795

■ 66.8170, 72.2718,
155.0050

■ 4.8899, 5.4944,
24.4355

■ 88.1964, 95.1644,
193.4409

■ 2.2169, 2.5402,
15.4418

■ 113.7094,
122.4429, 237.7570

■ 0.7516, 0.8967,
8.9800

■ 143.7216,
154.4917, 288.3718

■ 0.0000, 0.0000,
4.6315

178.5983,

■ 0.0000, 0.0000,

191.6952, 345.7039

1.9778

218.7047,
234.4379, 410.1717

■ 0.0000, 0.0000,
0.5416

■ 0.0000, 0.0000,
0.0000

■ 23.8280, 26.0656,
70.7931

■ 23.8280, 26.0656,
70.7931

■ 21.9617, 23.1701,
70.3331

■ 26.2709, 29.4135,
71.3111

■ 20.9231, 21.3882,
70.0439

■ 29.3629, 33.2535,
71.8894

■ 33.1679, 37.6222,
72.5320

■ 37.7406, 42.5508,
73.2424

■ 43.1300, 48.0678,
74.0232

■ 49.3807, 54.1990,
74.8772

■ 56.5340, 60.9686,
75.8068

■ 64.6282, 68.3993,
76.8145

■ 73.6995, 76.5124,
77.9024

Harmonies

Analogous

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



19.1404, 26.0656, 61.2579



23.8280, 26.0656, 70.7931



29.5124, 26.0656, 65.9599

Triad

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



23.8280, 26.0656, 70.7931



35.7319, 26.0656, 17.4194



17.0600, 26.0656, 14.2050

Complementary

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



23.8280, 26.0656, 70.7931



35.1256, 26.3493, 4.9863

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.



20.5731, 26.0656, 8.7441



23.8280, 26.0656, 70.7931



31.4183, 26.0656, 10.0576

Square

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



23.8280, 26.0656, 70.7931



36.9444, 26.0656, 31.2167



25.7459, 26.0656, 7.5735



15.6223, 26.0656, 25.7224

Rectangle

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



23.8280, 26.0656, 70.7931



33.0515, 26.0656, 55.9204



25.7459, 26.0656, 7.5735



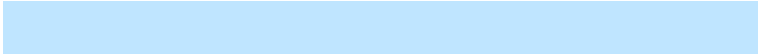
18.0095, 26.0656, 11.7986

Sweetspot

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



23.8290, 26.0664, 70.7938



67.7367, 74.6045, 105.4378



28.8995, 52.1787, 23.2462



13.8188, 15.3046, 22.4757



0.0000, 0.0000, 0.0000



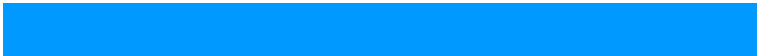
20.3446, 21.4041, 23.3091

Same Dimension

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



23.8290, 26.0664, 70.7938



29.3941, 29.9082, 98.8314



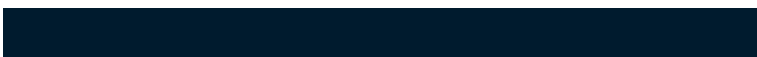
14.9263, 8.2611, 67.8262



12.9839, 13.9076, 16.6522



12.5162, 12.9019, 41.5690



0.8944, 1.0029, 2.7209

Inverse Universe

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



35.0642, 18.4598, 28.9098



46.9660, 23.5504, 32.0826



50.3885, 56.8751, 10.0739



13.3818, 13.1818, 15.2716



19.8129, 9.9262, 13.9269



1.3257, 0.6599, 1.1243

Previews

White Background



This preview shows how the XYZ color 23.8280, 26.0656, 70.7931 looks on a white background.

Color Contrast Check

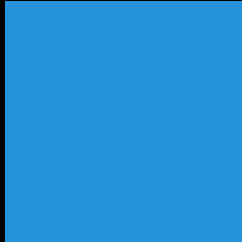
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8280, 26.0656, 70.7931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

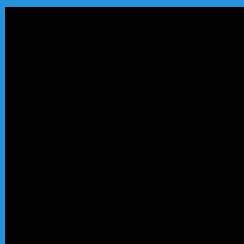
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

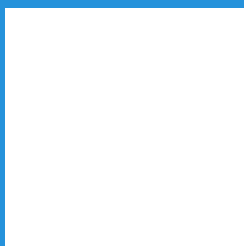
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8280, 26.0656, 70.7931

Background



This preview shows how black text looks on a background with the XYZ color 23.8280, 26.0656, 70.7931.



This preview shows how white text looks on a background with the XYZ color 23.8280, 26.0656,

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

23.8280, 26.0656, 70.7931

Protanopia

27.3721, 25.8222, 65.1695

Deuteranopia

26.6974, 25.9610, 72.0105



Tritanopia

18.4385, 25.8644, 40.0969

Trichromacy



Original Color

23.8280, 26.0656, 70.7931

Protanomaly

25.2620, 25.5425, 67.2171

Deuteranomaly

25.2638, 25.8910, 71.3761

Tritanomaly

19.9895, 25.7216, 49.8101

Monochromacy



Original Color

23.8280, 26.0656, 70.7931

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 23.8280, 26.0656, 70.7931 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, 146, 219)` looks like.

```
.text, #text, p{  
    color:rgb(37, 146, 219)  
}
```

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, 146, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 146, 219) }
```

Border

The CSS property to change the border of an element to XYZ 23.8280, 26.0656, 70.7931 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, 146, 219) }
```


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

```
.border{ border-color:rgb(37, 146, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 146, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 146, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 146, 219);  
box-shadow:4px 4px 4px 4px rgb(37, 146,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8280, 26.0656, 70.7931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 146, 219) }
```

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

```
.background{ background-color: rgb(37, 146,  
219) }
```

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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