

Converting Colors

XYZ(23.2876, 25.9610, 68.5327)

Have a look what the booklet for
XYZ(23.2876, 25.9610, 68.5327)
contains.

XYZ(23.3935, 26.1166, 68.7738)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.3935, 26.1166,
68.7738)**

Conversions

Conversions Part 1

Format	Color
Hex	1F93D8
RGB	31, 147, 216
RGB Percent	12%, 58%, 85%
CMY	0.8783, 0.4235, 0.1529
CMYK	0.86, 0.32, 0.00, 0.15
HSL	202°, 75%, 48%
HSV	202°, 86%, 85%
XYZ	23.3935, 26.1166, 68.7738
YIQ	120.1820, -91.2850, -3.1330

Conversions

Conversions Part 2

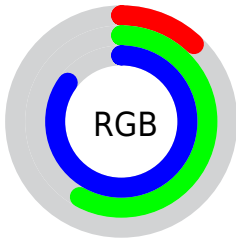
Format	Color
R _Y B	31, 102, 216
Decimal	2069464
CIE Lab	58.15, -6.26, -43.76
CIE LCh	58, 44.205, 261.863
Yxy	26.1166, 0.1978, 0.2208
Android (android.graphics.Color)	4280259544 (0xFF1F93D8)
YUV	120.1820, 47.2383, -78.2126
Hunter-Lab	51.1044, -7.7227, -44.0165

Details

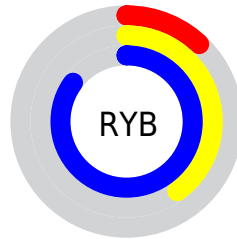
The XYZ color **23.3935, 26.1166, 68.7738** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **33.1262, 23.8169, 4.1491**, and the grayscale version is **17.7878, 18.7142, 20.3798**.

A 20% lighter version of the original color is **45.3671, 52.3083, 102.3132**, and **10.7077, 11.1226, 35.3007** is the 20% darker color. If you saturate the color by 10%, you get **21.7373, 23.4678, 68.3504**, and if you desaturate by 10%, it is **25.5744, 29.1668, 69.2482**.

Distribution



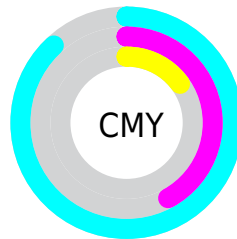
- Red (12%)
- Green (58%)
- Blue (85%)



- Red (12%)
- Yellow (40%)
- Blue (85%)



- Cyan (86%)
- Magenta (32%)
- Yellow (0%)
- Black (15%)



- Cyan (88%)
- Magenta (42%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3935, 26.1166, 68.7738 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 23.3935, 26.1166, 68.7738 by changing the saturation by 10% instead.

■ 23.3935, 26.1166,
68.7738

■ 23.3935, 26.1166,
68.7738

262.2375,
283.3540, 474.9051

■ 15.0066, 16.9109,
50.0569

■ 48.5006, 53.4630,
119.1231

■ 8.9104, 10.1710,
35.0871

■ 65.9515, 72.3725,
151.5926

■ 4.7394, 5.5125,
23.4459

■ 87.1544, 95.2853,
189.4833

■ 2.1284, 2.5510,
14.7147

■ 112.4748,
122.5859, 233.2139

■ 0.7046, 0.9021,
8.4750

■ 142.2779,
154.6587, 283.2028

■ 0.0000, 0.0000,
4.3083

176.9292,

■ 0.0000, 0.0000,

191.8880, 339.8686

1.7959

216.7939,
234.6583, 403.6299

■ 0.0000, 0.0000,
0.4253

■ 0.0000, 0.0000,
0.0000

■ 23.3935, 26.1166,
68.7738

■ 23.3935, 26.1166,
68.7738

■ 21.7373, 23.4678,
68.3504

■ 25.5744, 29.1668,
69.2482

■ 21.1188, 22.4059,
68.1780

■ 28.3538, 32.6582,
69.7756

■ 31.7957, 36.6263,
70.3601

■ 35.9542, 41.1017,
71.0048

■ 40.8776, 46.1116,
71.7123

■ 46.6094, 51.6807,
72.4851

■ 53.1900, 57.8321,
73.3256

■ 60.6568, 64.5872,
74.2359

■ 69.0449, 71.9664,
75.2182

Harmonies

Analogous

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



18.9902, 26.1166, 58.5200



23.3935, 26.1166, 68.7738



28.8595, 26.1166, 65.5385

Triad

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



23.3935, 26.1166, 68.7738



35.6617, 26.1166, 18.8055



17.5711, 26.1166, 13.8330

Complementary

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



23.3935, 26.1166, 68.7738



33.1262, 23.8169, 4.1491

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.



21.1817, 26.1166, 8.9055



23.3935, 26.1166, 68.7738



31.7425, 26.1166, 10.9731

Square

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



23.3935, 26.1166, 68.7738



36.4791, 26.1166, 32.8195



26.3097, 26.1166, 8.0903



15.9591, 26.1166, 24.4622

Rectangle

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



23.3935, 26.1166, 68.7738



32.3507, 26.1166, 56.5482



26.3097, 26.1166, 8.0903



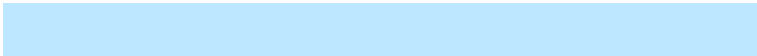
18.5643, 26.1166, 11.6395

Sweetspot

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



23.3945, 26.1175, 68.7745



67.3337, 74.7440, 105.4859



27.3668, 50.3018, 20.0333



13.7636, 15.3749, 22.4922



0.0000, 0.0000, 0.0000



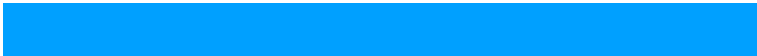
20.3446, 21.4041, 23.3091

Same Dimension

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



23.3945, 26.1175, 68.7745



30.6002, 32.3204, 99.2334



14.3596, 8.0477, 65.7628



12.3848, 13.2930, 15.8506



12.6066, 13.4750, 40.3897



0.8386, 0.9691, 2.4622

Inverse Universe

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



34.0763, 17.6869, 29.2222



47.5748, 23.7939, 35.2884



47.2712, 52.1070, 8.8641



12.7474, 12.5505, 14.6102



19.4221, 9.7052, 14.7927



1.2109, 0.6012, 1.1001

Previews

White Background



This preview shows how the XYZ color 23.3935, 26.1166, 68.7738 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 23.3935, 26.1166, 68.7738 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

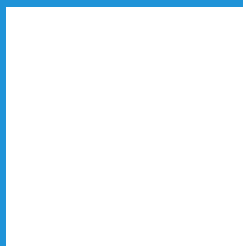
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3935, 26.1166, 68.7738

Background



This preview shows how black text looks on a background with the XYZ color 23.3935, 26.1166, 68.7738.



This preview shows how white text looks on a background with the XYZ color 23.3935, 26.1166,

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

23.3935, 26.1166, 68.7738

Protanopia

27.1369, 25.7582, 62.5730

Deuteranopia

26.7114, 26.0140, 69.9430



Tritanopia

18.4385, 25.8644, 40.0969

Trichromacy



Original Color

23.3935, 26.1166, 68.7738

Protanomaly

24.6671, 25.2941, 64.5549

Deuteranomaly

24.8699, 25.7335, 69.3019

Tritanomaly

19.8563, 25.6651, 49.2547

Monochromacy



Original Color

23.3935, 26.1166, 68.7738

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.9235, 20.4065, 34.0045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3935, 26.1166, 68.7738 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(31, 147, 216)` looks like.

```
.text, #text, p{  
    color:rgb(31, 147, 216)  
}
```

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(31, 147, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 147, 216) }
```

Border

The CSS property to change the border of an element to XYZ 23.3935, 26.1166, 68.7738 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(31, 147, 216) }
```


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

```
.border{ border-color:rgb(31, 147, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 147, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 147, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 147, 216);  
box-shadow:4px 4px 4px 4px rgb(31, 147,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3935, 26.1166, 68.7738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 147, 216) }
```

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

```
.background{ background-color: rgb(31, 147,  
216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor