

Converting Colors

XYZ(23.6403, 26.3057, 69.0308)

Have a look what the booklet for
XYZ(23.6403, 26.3057, 69.0308)
contains.

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Color

**XYZ(23.5559, 26.2004,
68.7814)**

Conversions

Conversions Part 1

Format	Color
Hex	2493D8
RGB	36, 147, 216
RGB Percent	14%, 58%, 85%
CMY	0.8588, 0.4235, 0.1529
CMYK	0.83, 0.32, 0.00, 0.15
HSL	203°, 71%, 49%
HSV	203°, 83%, 85%
XYZ	23.5559, 26.2004, 68.7814
YIQ	121.6770, -88.3050, -2.0730

Conversions

Conversions Part 2

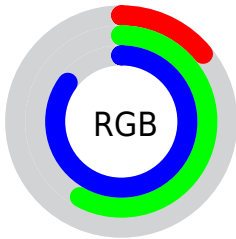
Format	Color
R _Y B	36, 105, 216
Decimal	2397144
CIE Lab	58.23, -5.87, -43.63
CIE LCh	58, 44.023, 262.331
Yxy	26.2004, 0.1987, 0.2210
Android (android.graphics.Color)	4280587224 (0xFF2493D8)
YUV	121.6770, 46.5012, -75.1387
Hunter-Lab	51.1863, -7.4305, -43.8402

Details

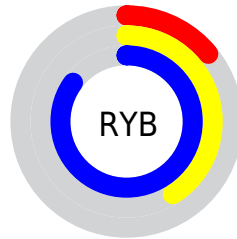
The XYZ color **23.5559, 26.2004, 68.7814** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **33.6910, 24.8328, 4.6879**, and the grayscale version is **18.2695, 19.2209, 20.9316**.

A 20% lighter version of the original color is **45.6187, 52.4380, 102.3249**, and **10.7077, 11.1226, 35.3007** is the 20% darker color. If you saturate the color by 10%, you get **21.7747, 23.4392, 68.3429**, and if you desaturate by 10%, it is **25.8859, 29.3828, 69.2734**.

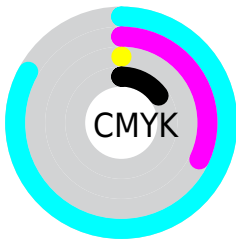
Distribution



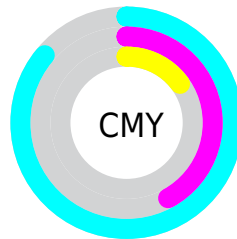
- Red (14%)
- Green (58%)
- Blue (85%)



- Red (14%)
- Yellow (41%)
- Blue (85%)



- Cyan (83%)
- Magenta (32%)
- Yellow (0%)
- Black (15%)



- Cyan (86%)
- Magenta (42%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5559, 26.2004, 68.7814 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 23.5559, 26.2004, 68.7814 by changing the saturation by 10% instead.

■ 23.5559, 26.2004,
68.7814

■ 23.5559, 26.2004,
68.7814

263.0498,
283.7644, 474.9326

■ 15.1275, 16.9736,
50.0631

■ 48.7645, 53.5981,
119.1341

■ 8.9958, 10.2157,
35.0920

■ 66.2753, 72.5377,
151.6054

■ 4.7955, 5.5422,
23.4496

■ 87.5444, 95.4838,
189.4983

■ 2.1613, 2.5688,
14.7174

■ 112.9370,
122.8207, 233.2310

■ 0.7222, 0.9110,
8.4769

■ 142.8185,
154.9329, 283.2223

■ 0.0000, 0.0000,
4.3095

177.5542,

■ 0.0000, 0.0000,

192.2046, 339.8907

1.7966

217.5095,
235.0203, 403.6546

■ 0.0000, 0.0000,
0.4257

■ 0.0000, 0.0000,
0.0000

■ 23.5559, 26.2004,
68.7814

■ 23.5559, 26.2004,
68.7814

■ 21.7747, 23.4392,
68.3429

■ 25.8859, 29.3828,
69.2734

■ 20.8090, 21.7863,
68.0747

■ 28.8347, 33.0243,
69.8209

■ 32.4639, 37.1596,
70.4278

■ 36.8263, 41.8187,
71.0972

■ 41.9692, 47.0284,
71.8317

■ 47.9354, 52.8134,
72.6339

■ 54.7647, 59.1966,
73.5060

■ 62.4939, 66.1993,
74.4503

■ 71.1579, 73.8419,
75.4688

Harmonies

Analogous

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



19.1343, 26.2004, 58.7521



23.5559, 26.2004, 68.7814



29.0162, 26.2004, 65.3440

Triad

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



23.5559, 26.2004, 68.7814



35.6729, 26.2004, 18.7403



17.6199, 26.2004, 14.0539

Complementary

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



23.5559, 26.2004, 68.7814



33.6910, 24.8328, 4.6879

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.



21.1976, 26.2004, 9.0417



23.5559, 26.2004, 68.7814



31.7276, 26.2004, 10.9938

Square

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



23.5559, 26.2004, 68.7814



36.5427, 26.2004, 32.6397



26.2999, 26.2004, 8.1676



16.0412, 26.2004, 24.7766

Rectangle

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



23.5559, 26.2004, 68.7814



32.4863, 26.2004, 56.2956



26.2999, 26.2004, 8.1676



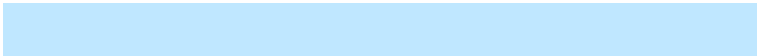
18.6019, 26.2004, 11.8293

Sweetspot

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



23.5569, 26.2013, 68.7821



68.0519, 75.2350, 105.5428



27.8345, 50.5077, 21.6493



13.8942, 15.4554, 22.5008



0.0000, 0.0000, 0.0000



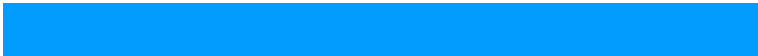
20.3446, 21.4041, 23.3091

Same Dimension

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



23.5569, 26.2013, 68.7821



30.1481, 31.4162, 99.0827



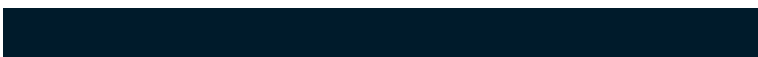
14.5868, 8.2610, 65.7920



12.3738, 13.2710, 15.8469



12.4240, 13.1097, 40.3288



0.8283, 0.9486, 2.4588

Inverse Universe

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



34.2171, 17.9684, 29.2693



47.3466, 23.7026, 34.0867



48.1535, 53.7579, 9.5087



12.7419, 12.5482, 14.5809



19.3299, 9.6683, 14.3072



1.2057, 0.5991, 1.0728

Previews

White Background



This preview shows how the XYZ color 23.5559, 26.2004, 68.7814 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 23.5559, 26.2004, 68.7814 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

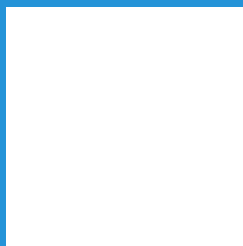
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5559, 26.2004, 68.7814

Background



This preview shows how black text looks on a background with the XYZ color 23.5559, 26.2004, 68.7814.

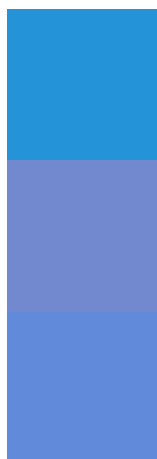


This preview shows how white text looks on a background with the XYZ color 23.5559, 26.2004,

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

23.5559, 26.2004, 68.7814

Protanopia

27.2784, 26.0412, 62.6202

Deuteranopia

26.8173, 26.0686, 69.9480



Tritanopia

18.6043, 26.1959, 40.1522

Trichromacy



Original Color

23.5559, 26.2004, 68.7814

Protanomaly

24.9955, 25.6813, 64.6124

Deuteranomaly

25.0990, 25.8516, 69.3126

Tritanomaly

20.0459, 26.0027, 49.3099

Monochromacy



Original Color

23.5559, 26.2004, 68.7814

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.4314, 20.8570, 34.5069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5559, 26.2004, 68.7814 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(36, 147, 216)` looks like.

```
.text, #text, p{  
    color:rgb(36, 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(36, 147, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 147, 216) }
```

Border

The CSS property to change the border of an element to XYZ 23.5559, 26.2004, 68.7814 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(36, 147, 216) }
```


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

```
.border{ border-color:rgb(36, 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(36, 147, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 147, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 147, 216);  
box-shadow:4px 4px 4px 4px rgb(36, 147,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5559, 26.2004, 68.7814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 147, 216) }
```

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

```
.background{ background-color: rgb(36, 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](#).

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