

Converting Colors

XYZ(22.6560, 23.2539, 69.6236)

Have a look what the booklet for
XYZ(22.6560, 23.2539, 69.6236)
contains.

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Color

**XYZ(22.6780, 23.2987,
69.6315)**

Conversions

Conversions Part 1

Format	Color
Hex	3088DA
RGB	48, 136, 218
RGB Percent	19%, 53%, 85%
CMY	0.8117, 0.4667, 0.1451
CMYK	0.78, 0.38, 0.00, 0.15
HSL	209°, 70%, 52%
HSV	209°, 78%, 85%
XYZ	22.6780, 23.2987, 69.6315
YIQ	119.0360, -78.7700, 6.8460

Conversions

Conversions Part 2

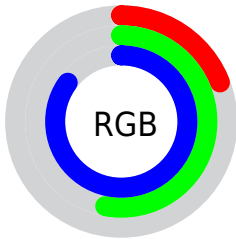
Format	Color
R_{YB}	48, 106, 218
Decimal	3180762
CIE _{Lab}	55.38, 2.45, -49.24
CIE _{LCh}	55, 49.305, 272.848
Yxy	23.2987, 0.1962, 0.2015
Android (android.graphics.Color)	4281370842 (0xFF3088DA)
YUV	119.0360, 48.7893, -62.2986
Hunter-Lab	48.2687, -0.6060, -51.7425




Details

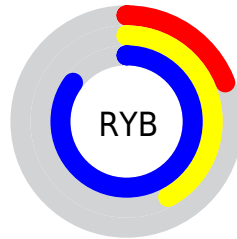
The XYZ color **22.6780, 23.2987, 69.6315** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle muted azure. A complement of this color would be **37.4319, 31.0879, 6.8255**, and the grayscale version is **17.4160, 18.3230, 19.9537**.




A 20% lighter version of the original color is **43.7188, 47.4667, 101.4655**, and **9.9298, 9.4250, 35.4783** is the 20% darker color. If you saturate the color by 10%, you get **20.4817, 20.0749, 69.1255**, and if you desaturate by 10%, it is **25.5262, 27.0749, 70.2108**.

Distribution







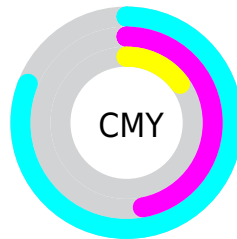
-  Red (19%)
-  Green (53%)
-  Blue (85%)






-  Red (19%)
-  Yellow (42%)
-  Blue (85%)



-  Cyan (78%)
-  Magenta (38%)
-  Yellow (0%)
-  Black (15%)



-  Cyan (81%)
-  Magenta (47%)
-  Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6780, 23.2987, 69.6315 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 22.6780, 23.2987, 69.6315 by changing the saturation by 10% instead.

■ 22.6780, 23.2987,
69.6315

■ 22.6780, 23.2987,
69.6315

258.6331,
269.2555, 478.0092

■ 14.4753, 14.8142,
50.7512

■ 47.3346, 48.8833,
120.3593

■ 8.5359, 8.6891,
35.6353

■ 64.5193, 66.7523,
153.0439

■ 4.4944, 4.5390,
23.8652

■ 85.4286, 88.5181,
191.1670

■ 1.9855, 1.9794,
15.0224

■ 110.4280,
114.5654, 235.1471

■ 0.6258, 0.5955,
8.6883

■ 139.8828,
145.2783, 285.4029

■ 0.0000, 0.0000,
4.4444

174.1583,

■ 0.0000, 0.0000,

181.0414, 342.3528

1.8722

213.6200,
222.2390, 406.4154

■ 0.0000, 0.0000,
0.4749

■ 0.0000, 0.0000,
0.0000

■ 22.6780, 23.2987,
69.6315

■ 22.6780, 23.2987,
69.6315

■ 20.4817, 20.0749,
69.1255

■ 25.5262, 27.0749,
70.2108

■ 18.8375, 17.3449,
68.6852

■ 29.0928, 31.4428,
70.8659

■ 18.5423, 16.8366,
68.6027

■ 33.4381, 36.4395,
71.6013

■ 38.6147, 42.0976,
72.4206

■ 44.6702, 48.4471,
73.3270

■ 51.6485, 55.5155,
74.3236

■ 59.5903, 63.3289,
75.4131

■ 68.5337, 71.9118,
76.5984

■ 78.5147, 81.2874,
77.8820

Harmonies

Analogous

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



17.6329, 23.2987, 63.3195



22.6780, 23.2987, 69.6315



28.4360, 23.2987, 60.5722

Triad

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



22.6780, 23.2987, 69.6315



32.3470, 23.2987, 12.1635



13.9582, 23.2987, 13.8431

Complementary

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



22.6780, 23.2987, 69.6315



37.4319, 31.0879, 6.8255

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.



16.8574, 23.2987, 7.4074



22.6780, 23.2987, 69.6315



27.3671, 23.2987, 6.7603

Square

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



22.6780, 23.2987, 69.6315



34.5706, 23.2987, 23.8831



21.6199, 23.2987, 5.4757



13.1226, 23.2987, 26.9139

Rectangle

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



22.6780, 23.2987, 69.6315



31.7603, 23.2987, 48.5968



21.6199, 23.2987, 5.4757



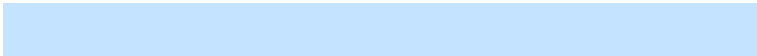
14.6969, 23.2987, 11.0504

Sweetspot

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



22.6789, 23.2994, 69.6321



68.2954, 73.7813, 105.2494



30.1442, 52.3131, 28.7041



13.8632, 15.0225, 22.4189



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.



22.6789, 23.2994, 69.6321



27.5385, 25.8972, 98.1550



15.1789, 8.2994, 67.1321



12.8934, 13.7265, 16.6221



11.2171, 10.3036, 41.1360



0.8128, 0.8398, 2.6937

Inverse Universe

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



34.4152, 18.7982, 25.1076



46.1025, 23.4852, 26.6720



53.0747, 62.3735, 12.0398



13.3360, 13.1635, 15.0309



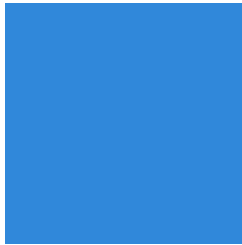
19.1572, 9.6639, 10.4737



1.2846, 0.6435, 0.9075

Previews

White Background



This preview shows how the XYZ color 22.6780, 23.2987, 69.6315 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 22.6780, 23.2987, 69.6315 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 22.6780, 23.2987, 69.6315

Background



This preview shows how black text looks on a background with the XYZ color 22.6780, 23.2987, 69.6315.



This preview shows how white text looks on a background with the XYZ color 22.6780, 23.2987,

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

22.6780, 23.2987, 69.6315

Protanopia

24.9895, 23.1633, 65.4412

Deuteranopia

23.9978, 23.3454, 70.2591



Tritanopia

16.4504, 23.0264, 35.9253

Trichromacy



Original Color

22.6780, 23.2987, 69.6315

Protanomaly

23.7822, 23.1069, 66.8249

Deuteranomaly

23.4913, 23.2885, 70.2748

Tritanomaly

18.1424, 22.7605, 46.6170

Monochromacy



Original Color

22.6780, 23.2987, 69.6315

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.7642, 19.3609, 33.8111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6780, 23.2987, 69.6315 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(48, 136, 218)` looks like.

```
.text, #text, p{  
    color:rgb(48, 136, 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(48, 136, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 136, 218) }
```

Border

The CSS property to change the border of an element to XYZ 22.6780, 23.2987, 69.6315 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(48, 136, 218) }
```


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

```
.border{ border-color:rgb(48, 136, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 136, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 136, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 136, 218);  
box-shadow:4px 4px 4px 4px rgb(48, 136,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6780, 23.2987, 69.6315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 136, 218) }
```

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

```
.background{ background-color: rgb(48, 136,  
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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