

Converting Colors

XYZ(23.0865, 22.7970, 73.1659)

Have a look what the booklet for
XYZ(23.0865, 22.7970, 73.1659)
contains.

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Color

**XYZ(23.0721, 22.8066,
72.9981)**

Conversions

Conversions Part 1

Format	Color
Hex	3385DF
RGB	51, 133, 223
RGB Percent	20%, 52%, 87%
CMY	0.7999, 0.4784, 0.1255
CMYK	0.77, 0.40, 0.00, 0.13
HSL	211°, 73%, 54%
HSV	211°, 77%, 87%
XYZ	23.0721, 22.8066, 72.9981
YIQ	118.7420, -77.7620, 10.6060

Conversions

Conversions Part 2

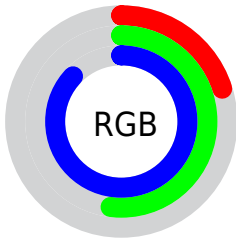
Format	Color
R _Y B	51, 107, 223
Decimal	3376607
CIE Lab	54.87, 6.42, -52.85
CIE LCh	55, 53.238, 276.924
Yxy	22.8066, 0.1941, 0.1919
Android (android.graphics.Color)	4281566687 (0xFF3385DF)
YUV	118.7420, 51.3992, -59.4097
Hunter-Lab	47.7563, 2.6638, -57.1987

Details

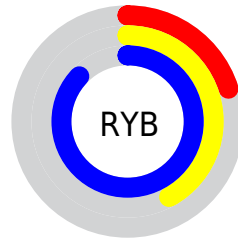
The XYZ color **23.0721, 22.8066, 72.9981** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle muted azure. A complement of this color would be **40.5565, 34.9812, 7.7482**, and the grayscale version is **17.3153, 18.2171, 19.8384**.

A 20% lighter version of the original color is **43.4941, 46.4028, 101.2720**, and **10.1454, 9.1307, 37.7869** is the 20% darker color. If you saturate the color by 10%, you get **20.6958, 19.3403, 72.4548**, and if you desaturate by 10%, it is **26.1661, 26.9068, 73.6270**.

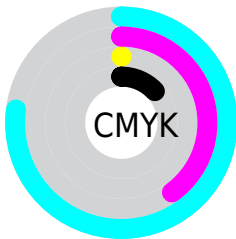
Distribution



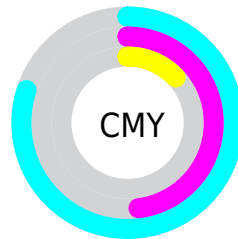
- Red (20%)
- Green (52%)
- Blue (87%)



- Red (20%)
- Yellow (42%)
- Blue (87%)



- Cyan (77%)
- Magenta (40%)
- Yellow (0%)
- Black (13%)



- Cyan (80%)
- Magenta (48%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0721, 22.8066, 72.9981 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 23.0721, 22.8066, 72.9981 by changing the saturation by 10% instead.

■ 23.0721, 22.8066,
72.9981

■ 23.0721, 22.8066,
72.9981

260.6235,
266.7301, 490.0788

■ 14.7677, 14.4508,
53.4826

■ 47.9775, 48.0756,
125.1954

■ 8.7418, 8.4348,
37.7978

■ 65.3092, 65.7575,
158.7143

■ 4.6289, 4.3744,
25.5252

■ 86.3808, 87.3169,
197.7380

■ 2.0637, 1.8851,
16.2462

■ 111.5575,
113.1382, 242.6852

■ 0.6694, 0.5394,
9.5423

■ 141.2048,
143.6058, 293.9743

■ 0.0000, 0.0000,
4.9949

175.6880,

■ 0.0000, 0.0000,

179.1040, 352.0240

2.1856

215.3725,
220.0173, 417.2526

■ 0.0000, 0.0000,
0.6660

■ 0.0000, 0.0000,
0.0000

■ 23.0721, 22.8066,
72.9981

■ 23.0721, 22.8066,
72.9981

■ 20.6958, 19.3403,
72.4548

■ 26.1661, 26.9068,
73.6270

■ 18.9392, 16.4482,
71.9891

■ 30.0485, 31.6850,
74.3446

■ 18.5049, 15.6988,
71.8674

■ 34.7835, 37.1822,
75.1561

■ 40.4275, 43.4351,
76.0656

■ 47.0315, 50.4771,
77.0768

■ 54.6427, 58.3396,
78.1932

■ 63.3048, 67.0519,
79.4183

■ 73.0589, 76.6415,
80.7552

■ 83.9437, 87.1349,
82.2069

Harmonies

Analogous

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



17.5314, 22.8066, 68.2607



23.0721, 22.8066, 72.9981



29.2231, 22.8066, 60.8670

Triad

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



23.0721, 22.8066, 72.9981



32.0580, 22.8066, 9.9920



12.8329, 22.8066, 14.1595

Complementary

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



23.0721, 22.8066, 72.9981



40.5565, 34.9812, 7.7482

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.



15.5565, 22.8066, 6.8732



23.0721, 22.8066, 72.9981



26.4294, 22.8066, 5.3418

Square

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



23.0721, 22.8066, 72.9981



34.9862, 22.8066, 21.1217



20.3393, 22.8066, 4.5384



12.2606, 22.8066, 28.9543

Rectangle

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



23.0721, 22.8066, 72.9981



32.6279, 22.8066, 47.0921



20.3393, 22.8066, 4.5384



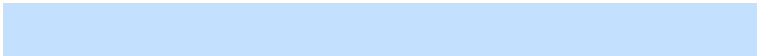
13.4997, 22.8066, 10.9968

Sweetspot

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



23.0730, 22.8073, 72.9987



67.6448, 72.4801, 105.0325



32.4782, 55.3697, 33.7380



13.7064, 14.7090, 22.3667



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.



23.0730, 22.8073, 72.9987



26.3996, 23.5530, 97.7625



16.0188, 8.4777, 70.6046



13.4883, 14.3158, 17.4400



10.9922, 9.4540, 42.2938



0.8511, 0.8338, 2.9613

Inverse Universe

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



35.8498, 19.7505, 24.1134



45.5439, 23.3238, 23.5388



56.5416, 68.2515, 13.3275



13.9780, 13.8088, 15.6541



19.4886, 9.8624, 9.2385



1.3959, 0.7016, 0.8775

Previews

White Background



This preview shows how the XYZ color 23.0721, 22.8066, 72.9981 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 23.0721, 22.8066, 72.9981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

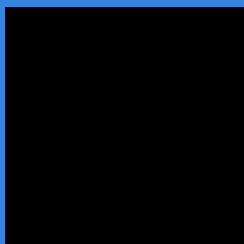
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

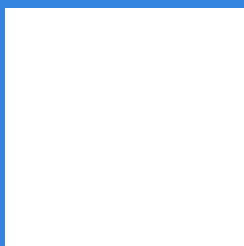
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.0721, 22.8066, 72.9981

Background



This preview shows how black text looks on a background with the XYZ color 23.0721, 22.8066, 72.9981.



This preview shows how white text looks on a background with the XYZ color 23.0721, 22.8066,

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

23.0721, 22.8066, 72.9981

Protanopia

24.7585, 22.5679, 69.3808

Deuteranopia

23.4950, 22.8223, 72.9789



Tritanopia

16.1261, 22.6511, 34.9747

Trichromacy



Original Color

23.0721, 22.8066, 72.9981

Protanomaly

23.9104, 22.4875, 70.7905

Deuteranomaly

23.2579, 22.7001, 72.9678

Tritanomaly

18.0317, 22.4835, 46.5694

Monochromacy



Original Color

23.0721, 22.8066, 72.9981

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.9095, 19.2293, 34.6660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0721, 22.8066, 72.9981 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(51, 133, 223)` looks like.

```
.text, #text, p{  
    color:rgb(51, 133, 223)  
}
```

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(51, 133, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 133, 223) }
```

Border

The CSS property to change the border of an element to XYZ 23.0721, 22.8066, 72.9981 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(51, 133, 223) }
```


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

```
.border{ border-color:rgb(51, 133, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 133, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 133, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 133, 223);  
box-shadow:4px 4px 4px 4px rgb(51, 133,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0721, 22.8066, 72.9981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 133, 223) }
```

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

```
.background{ background-color: rgb(51, 133,  
223) }
```

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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