

Converting Colors

XYZ(23.2488, 18.0280, 84.5182)

Have a look what the booklet for
XYZ(23.2488, 18.0280, 84.5182)
contains.

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Color

**XYZ(23.2326, 17.9649,
84.6812)**

Conversions

Conversions Part 1

Format	Color
Hex	426BF0
RGB	66, 107, 240
RGB Percent	26%, 42%, 94%
CMY	0.7411, 0.5804, 0.0588
CMYK	0.72, 0.55, 0.00, 0.06
HSL	226°, 85%, 60%
HSV	226°, 72%, 94%
XYZ	23.2326, 17.9649, 84.6812
YIQ	109.9030, -67.1290, 32.6710

Conversions

Conversions Part 2

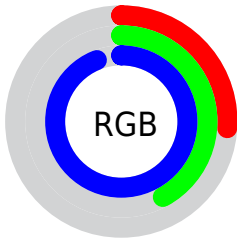
Format	Color
R _{YB}	66, 99, 240
Decimal	4353008
CIE Lab	49.45, 30.50, -71.07
CIE LCh	49, 77.340, 293.224
Yxy	17.9649, 0.1846, 0.1427
Android (android.graphics.Color)	4282543088 (0xFF426BF0)
YUV	109.9030, 64.1378, -38.5029
Hunter-Lab	42.3850, 23.6678, -88.7862

Details

The XYZ color **23.2326, 17.9649, 84.6812** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **57.3452, 59.7711, 13.6706**, and the grayscale version is **14.6304, 15.3923, 16.7622**.

A 20% lighter version of the original color is **40.2685, 36.8246, 99.5932**, and **10.2160, 6.7564, 45.5654** is the 20% darker color. If you saturate the color by 10%, you get **20.2272, 13.8711, 84.0499**, and if you desaturate by 10%, it is **27.3233, 23.2206, 85.4805**.

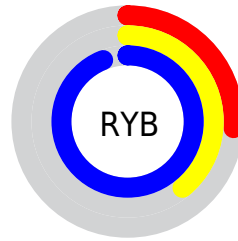
Distribution



Red (26%)

Green (42%)

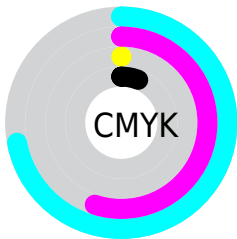
Blue (94%)



Red (26%)

Yellow (39%)

Blue (94%)

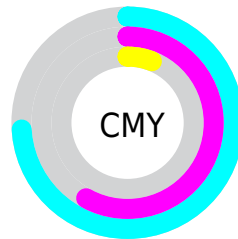


Cyan (72%)

Magenta (55%)

Yellow (0%)

Black (6%)



Cyan (74%)

Magenta (58%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2326, 17.9649, 84.6812 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 23.2326, 17.9649, 84.6812 by changing the saturation by 10% instead.

■ 23.2326, 17.9649,
84.6812

■ 23.2326, 17.9649,
84.6812

261.4305,
240.6731, 530.6896

■ 14.8870, 10.9248,
63.0294

■ 48.2388, 39.9775,
141.7979

■ 8.8259, 6.0163,
45.4238

■ 65.6302, 55.7188,
178.0998

■ 4.6840, 2.8550,
31.4460

■ 86.7674, 75.1293,
220.1222

■ 2.0959, 1.0565,
20.6774

■ 112.0160, 98.5933,
268.2835

■ 0.6870, 0.0000,
12.6995

141.7413,
126.4953, 323.0024

■ 0.0000, 0.0000,
7.0936

176.3085,

■ 0.0000, 0.0000,

159.2197, 384.6974

3.4414

216.0832,
197.1508, 453.7869

■ 0.0000, 0.0000,
1.3242

■ 0.0000, 0.0000,
0.0815

■ 23.2326, 17.9649,
84.6812

■ 23.2326, 17.9649,
84.6812

■ 20.2272, 13.8711,
84.0499

■ 27.3233, 23.2206,
85.4805

■ 18.1874, 10.8390,
83.5721

■ 32.5959, 29.7229,
86.4577

■ 17.1688, 9.1723,
83.3041

■ 39.1385, 37.5497,
87.6236

■ 47.0299, 46.7718,
88.9877

■ 56.3423, 57.4548,
90.5589

■ 67.1425, 69.6598,
92.3455

■ 79.4933, 83.4447,
94.3553

■ 92.3367, 98.2882,
96.5434

■ 92.7283, 99.0713,
96.6740

Harmonies

Analogous

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



15.4713, 17.9649, 92.8400



23.2326, 17.9649, 84.6812



30.9734, 17.9649, 54.8680

Triad

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



23.2326, 17.9649, 84.6812



26.9374, 17.9649, 1.7951



6.5821, 17.9649, 15.1890

Complementary

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



23.2326, 17.9649, 84.6812



57.3452, 59.7711, 13.6706

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.



8.1163, 17.9649, 4.0113



23.2326, 17.9649, 84.6812



18.7861, 17.9649, 0.5918

Square

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



23.2326, 17.9649, 84.6812



33.5037, 17.9649, 7.6018



12.1148, 17.9649, 0.9924



7.1484, 17.9649, 40.0911

Rectangle

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



23.2326, 17.9649, 84.6812



34.3575, 17.9649, 33.6160



12.1148, 17.9649, 0.9924



6.8503, 17.9649, 10.0977

Sweetspot

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



23.2335, 17.9654, 84.6817



65.1492, 66.4935, 104.0085



43.4290, 67.4877, 63.2629



13.2826, 13.4777, 22.1513



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.



23.2335, 17.9654, 84.6817



21.9632, 14.1082, 96.1733



24.0466, 13.4726, 83.7717



15.1995, 15.8331, 19.9766



9.4829, 5.1901, 45.6299



0.8630, 0.5799, 3.8207

Inverse Universe

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



40.5381, 23.4847, 16.3063



43.4442, 23.0185, 10.8341



55.0401, 74.5174, 16.6384



15.9254, 15.8199, 17.1633



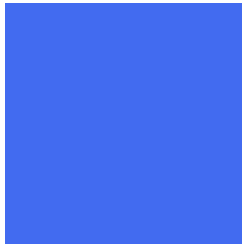
20.1122, 10.3173, 3.2413



1.7105, 0.8733, 0.4665

Previews

White Background



This preview shows how the XYZ color 23.2326, 17.9649, 84.6812 looks on a white background.

Color Contrast Check

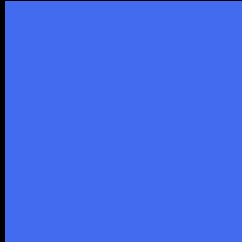
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.2326, 17.9649, 84.6812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

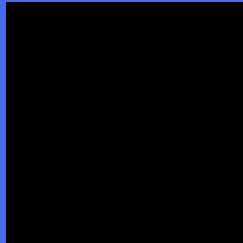
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2326, 17.9649, 84.6812

Background



This preview shows how black text looks on a background with the XYZ color 23.2326, 17.9649, 84.6812.



This preview shows how white text looks on a background with the XYZ color 23.2326, 17.9649,

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

23.2326, 17.9649, 84.6812

Protanopia

21.3742, 17.8203, 83.9745

Deuteranopia

17.9790, 17.9379, 61.5463



Tritanopia

12.6428, 17.8293, 27.2012

Trichromacy



Original Color

23.2326, 17.9649, 84.6812

Protanomaly

21.5326, 17.5780, 83.9194

Deuteranomaly

19.2936, 17.5701, 69.3923

Tritanomaly

15.1727, 17.2478, 43.6038

Monochromacy



Original Color

23.2326, 17.9649, 84.6812

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.1705, 15.7513, 34.0863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2326, 17.9649, 84.6812 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(66, 107, 240)` looks like.

```
.text, #text, p{  
    color:rgb(66, 107, 240)  
}
```

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(66, 107, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 107, 240) }
```

Border

The CSS property to change the border of an element to XYZ 23.2326, 17.9649, 84.6812 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(66, 107, 240) }
```


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

```
.border{ border-color:rgb(66, 107, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 107, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 107, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 107, 240);  
box-shadow:4px 4px 4px 4px rgb(66, 107,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2326, 17.9649, 84.6812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 107, 240) }
```

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

```
.background{ background-color: rgb(66, 107,  
240) }
```

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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