

Converting Colors

XYZ(23.2618, 17.7417, 91.3777)

Have a look what the booklet for
XYZ(23.2618, 17.7417, 91.3777)
contains.

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Color

**XYZ(23.1360, 17.6209,
90.9887)**

Conversions

Conversions Part 1

Format	Color
Hex	2C6AF8
RGB	44, 106, 248
RGB Percent	17%, 42%, 97%
CMY	0.8274, 0.5843, 0.0274
CMYK	0.82, 0.57, 0.00, 0.03
HSL	222°, 94%, 57%
HSV	222°, 82%, 97%
XYZ	23.1360, 17.6209, 90.9887
YIQ	103.6500, -82.5340, 31.0180

Conversions

Conversions Part 2

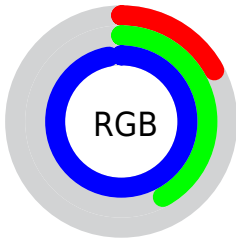
Format	Color
R_{YB}	44, 92, 248
Decimal	2910968
CIE _{Lab}	49.03, 31.88, -76.26
CIE _{LCh}	49, 82.650, 292.686
Yxy	17.6209, 0.1756, 0.1337
Android (android.graphics.Color)	4281101048 (0xFF2C6AF8)
YUV	103.6500, 71.1646, -52.3130
Hunter-Lab	41.9773, 24.9211, -99.1312

Details

The XYZ color **23.1360, 17.6209, 90.9887** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **56.7297, 55.2648, 10.0620**, and the grayscale version is **12.8988, 13.5705, 14.7783**.

A 20% lighter version of the original color is **38.4192, 35.6190, 99.4580**, and **10.9101, 6.9494, 49.4815** is the 20% darker color. If you saturate the color by 10%, you get **20.7666, 14.0188, 90.4188**, and if you desaturate by 10%, it is **26.5006, 22.2676, 91.7087**.

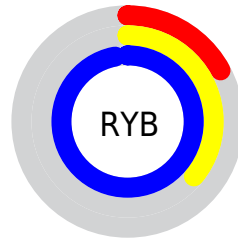
Distribution



Red (17%)

Green (42%)

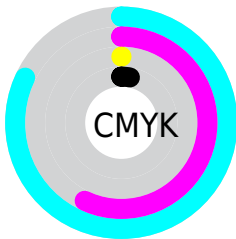
Blue (97%)



Red (17%)

Yellow (36%)

Blue (97%)

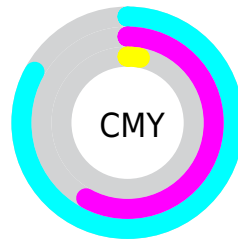


Cyan (82%)

Magenta (57%)

Yellow (0%)

Black (3%)



Cyan (83%)

Magenta (58%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1360, 17.6209, 90.9887 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 23.1360, 17.6209, 90.9887 by changing the saturation by 10% instead.

■ 23.1360, 17.6209,
90.9887

■ 23.1360, 17.6209,
90.9887

260.9451,
238.7255, 551.8947

■ 14.8152, 10.6782,
68.2226

■ 48.0816, 39.3903,
150.6585

■ 8.7753, 5.8509,
49.6111

■ 65.4370, 54.9857,
188.3993

■ 4.6508, 2.7546,
34.7354

■ 86.5348, 74.2342,
231.9687

■ 2.0765, 1.0050,
23.1772

■ 111.7402, 97.5200,
281.7854

■ 0.6764, 0.0000,
14.5179

141.4185,
125.2277, 338.2677

■ 0.0000, 0.0000,
8.3389

175.9352,

■ 0.0000, 0.0000,

157.7416, 401.8344

4.2217

215.6556,
195.4460, 472.9039

■ 0.0000, 0.0000,
1.7477

■ 0.0000, 0.0000,
0.3931

■ 23.1360, 17.6209,
90.9887

■ 23.1360, 17.6209,
90.9887

■ 20.7666, 14.0188,
90.4188

■ 26.5006, 22.2676,
91.7087

■ 19.4837, 11.8579,
90.0693

■ 30.9761, 28.0481,
92.5886

■ 36.6633, 35.0416,
93.6387

■ 43.6503, 43.3191,
94.8682

■ 52.0165, 52.9453,
96.2853

■ 61.8344, 63.9805,
97.8978

■ 73.1716, 76.4810,
99.7132

■ 86.0911, 90.4999,
101.7382

■ 93.9434, 99.5573,
103.0725

Harmonies

Analogous

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



14.9319, 17.6209, 99.5337



23.1360, 17.6209, 90.9887



31.5092, 17.6209, 58.1091

Triad

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



23.1360, 17.6209, 90.9887



27.4292, 17.6209, 1.3590



5.9325, 17.6209, 14.2756

Complementary

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



23.1360, 17.6209, 90.9887



56.7297, 55.2648, 10.0620

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.



7.5129, 17.6209, 3.2475



23.1360, 17.6209, 90.9887



18.7059, 17.6209, 0.1791

Square

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



23.1360, 17.6209, 90.9887



34.4719, 17.6209, 7.0341



11.6597, 17.6209, 0.5791



6.4609, 17.6209, 40.6419

Rectangle

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



23.1360, 17.6209, 90.9887



35.2459, 17.6209, 34.7860



11.6597, 17.6209, 0.5791



6.2126, 17.6209, 9.1266

Sweetspot

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



23.1369, 17.6213, 90.9892



62.7989, 64.7291, 103.7918



43.1968, 71.1069, 56.4702



12.6486, 12.9642, 22.0856



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.



23.1369, 17.6213, 90.9892



20.8966, 12.8657, 95.9897



21.2739, 10.3479, 89.6835



16.7131, 17.5029, 21.8828



10.6326, 6.6208, 48.6911



1.0738, 0.7913, 4.5393

Inverse Universe

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



42.2145, 22.8000, 15.8116



42.6884, 21.8836, 9.4205



60.7732, 81.1076, 14.8370



17.4617, 17.3120, 19.0211



21.6589, 11.0793, 4.9121



2.0509, 1.0441, 0.6916

Previews

White Background



This preview shows how the XYZ color 23.1360, 17.6209, 90.9887 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 23.1360, 17.6209, 90.9887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

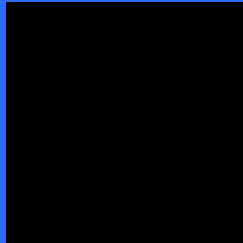
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

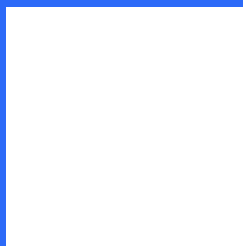
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1360, 17.6209, 90.9887

Background



This preview shows how black text looks on a background with the XYZ color 23.1360, 17.6209, 90.9887.



This preview shows how white text looks on a background with the XYZ color 23.1360, 17.6209,

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

23.1360, 17.6209, 90.9887

Protanopia

20.8248, 17.4250, 81.6227

Deuteranopia

17.2579, 17.2687, 58.9235



Tritanopia

12.2345, 17.2445, 26.3506

Trichromacy



Original Color

23.1360, 17.6209, 90.9887

Protanomaly

21.4105, 17.3387, 84.6563

Deuteranomaly

19.0172, 17.2593, 69.3469

Tritanomaly

14.8660, 16.7174, 44.0382

Monochromacy



Original Color

23.1360, 17.6209, 90.9887

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.5320, 14.2973, 33.4462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1360, 17.6209, 90.9887 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(44, 106, 248)` looks like.

```
.text, #text, p{  
    color:rgb(44, 106, 248)  
}
```

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(44, 106, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 106, 248) }
```

Border

The CSS property to change the border of an element to XYZ 23.1360, 17.6209, 90.9887 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(44, 106, 248) }
```


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

```
.border{ border-color:rgb(44, 106, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 106, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 106, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 106, 248);  
box-shadow:4px 4px 4px 4px rgb(44, 106,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1360, 17.6209, 90.9887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 106, 248) }
```

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

```
.background{ background-color: rgb(44, 106,  
248) }
```

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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