

Converting Colors

XYZ(23.1820, 13.6490, 95.4204)

Have a look what the booklet for
XYZ(23.1820, 13.6490, 95.4204)
contains.

XYZ(23.0780, 13.5656, 95.1680)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.0780, 13.5656,
95.1680)**

Conversions

Conversions Part 1

Format	Color
Hex	484BFE
RGB	72, 75, 254
RGB Percent	28%, 29%, 100%
CMY	0.7176, 0.7059, 0.0039
CMYK	0.72, 0.70, 0.00, 0.00
HSL	239°, 99%, 64%
HSV	239°, 72%, 100%
XYZ	23.0780, 13.5656, 95.1680
YIQ	94.5090, -59.2470, 55.0330

Conversions

Conversions Part 2

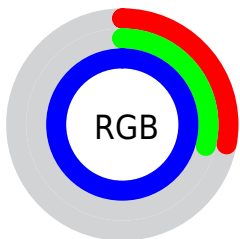
Format	Color
R_{YB}	72, 75, 254
Decimal	4738046
CIE _{Lab}	43.60, 55.02, -88.46
CIE _{LCh}	44, 104.173, 301.880
Yxy	13.5656, 0.1751, 0.1029
Android (android.graphics.Color)	4282928126 (0xFF484BFE)
YUV	94.5090, 78.6291, -19.7404
Hunter-Lab	36.8315, 47.3899, -127.4159

Details

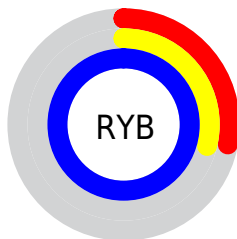
The XYZ color **23.0780, 13.5656, 95.1680** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **76.5457, 90.5436, 19.5755**, and the grayscale version is **10.5902, 11.1418, 12.1334**.

A 20% lighter version of the original color is **36.8852, 27.8165, 98.0328**, and **10.3791, 4.8160, 52.6071** is the 20% darker color. If you saturate the color by 10%, you get **20.1852, 10.0334, 94.6391**, and if you desaturate by 10%, it is **27.4188, 18.8307, 95.9559**.

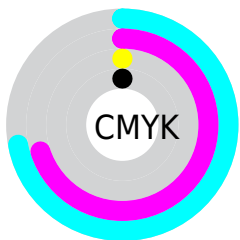
Distribution



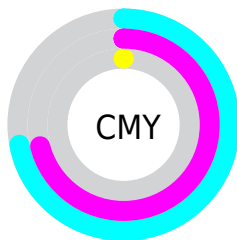
- Red (28%)
- Green (29%)
- Blue (100%)



- Red (28%)
- Yellow (29%)
- Blue (100%)



- Cyan (72%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)





- Cyan (72%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0780, 13.5656, 95.1680 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 23.0780, 13.5656, 95.1680 by changing the saturation by 10% instead.

 23.0780, 13.5656,
95.1680


 23.0780, 13.5656,
95.1680


260.6532,
214.5114, 565.7007


 14.7721, 7.8192,
71.6771

 47.9871, 32.3162,
156.4943

 8.7449, 3.9795,
52.4098


 65.3210, 46.0892,
195.1667


 4.6309, 1.6621,
36.9473


 86.3950, 63.3065,
239.7369

 2.0649, 0.3989,
24.8712

 111.5744, 84.3525,
290.6231

 0.6700, 0.0000,
15.7630

 141.2245,
109.6116, 348.2441

 0.0000, 0.0000,
9.2041

175.7108,

 0.0000, 0.0000,

139.4682, 413.0184

4.7759

215.3986,
174.3067, 485.3644

■ 0.0000, 0.0000,
2.0600

■ 0.0000, 0.0000,
0.5918

■ 23.0780, 13.5656,
95.1680

■ 23.0780, 13.5656,
95.1680

■ 20.1852, 10.0334,
94.6391

■ 27.4188, 18.8307,
95.9559

■ 18.5516, 8.0141,
94.3354

■ 33.3603, 26.0113,
97.0287

■ 17.9347, 7.2462,
94.2197

■ 41.0390, 35.2678,
98.4107

■ 50.5758, 46.7435,
100.1231

■ 62.0810, 60.5691,
102.1853

■ 75.6562, 76.8651,
104.6153

■ 91.3962, 95.7436,
107.4296

■ 94.8895, 99.9358,
108.0547

Harmonies

Analogous

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



13.4152, 13.5656, 120.5126



23.0780, 13.5656, 95.1680



32.2636, 13.5656, 47.6676

Triad

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



23.0780, 13.5656, 95.1680



21.7888, 13.5656, 0.0000



2.7124, 13.5656, 16.2941

Complementary

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



23.0780, 13.5656, 95.1680



76.5457, 90.5436, 19.5755

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.



3.4178, 13.5656, 2.1037



23.0780, 13.5656, 95.1680



12.3859, 13.5656, 0.0000

Square

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



23.0780, 13.5656, 95.1680



31.3243, 13.5656, 1.4814



6.2574, 13.5656, 0.0000



3.6346, 13.5656, 53.4626

Rectangle

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



23.0780, 13.5656, 95.1680



35.4878, 13.5656, 22.0668



6.2574, 13.5656, 0.0000



2.7654, 13.5656, 9.2912

Sweetspot

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



23.0789, 13.5658, 95.1684



63.4561, 62.0952, 103.2488



55.5229, 79.2251, 103.6054



12.8443, 12.4046, 21.9673



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.



23.0789, 13.5658, 95.1684



19.5024, 9.0602, 95.3287



34.6997, 19.2631, 95.6556



17.0269, 17.4254, 22.7160



9.4656, 3.8407, 49.6770



0.9297, 0.3900, 4.8396

Inverse Universe

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



44.4614, 26.2154, 9.3729



42.2330, 22.6521, 4.0916



52.3464, 79.4633, 18.7122



18.0215, 17.9919, 18.7303



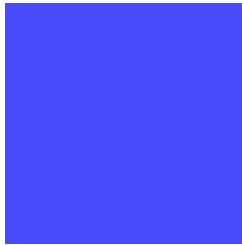
21.5660, 11.1157, 1.0989



2.1039, 1.0839, 0.1283

Previews

White Background



This preview shows how the XYZ color 23.0780, 13.5656, 95.1680 looks on a white background.

Color Contrast Check

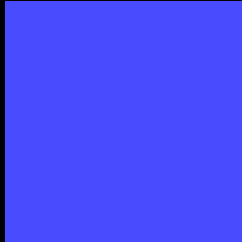
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0780, 13.5656, 95.1680 looks on a black 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

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

XYZ 23.0780, 13.5656, 95.1680

Background



This preview shows how black text looks on a background with the XYZ color 23.0780, 13.5656, 95.1680.



This preview shows how white text looks on a background with the XYZ color 23.0780, 13.5656,

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

23.0780, 13.5656, 95.1680

Protanopia

15.6302, 13.2404, 60.7633

Deuteranopia

12.9874, 13.2775, 43.4733



Tritanopia

9.3563, 13.1907, 20.1421

Trichromacy



Original Color

23.0780, 13.5656, 95.1680

Protanomaly

17.5367, 12.9138, 72.0893

Deuteranomaly

15.4482, 12.6328, 59.3818

Tritanomaly

12.0493, 12.0079, 39.2188

Monochromacy



Original Color

23.0780, 13.5656, 95.1680

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

13.1700, 11.3056, 31.6251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0780, 13.5656, 95.1680 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(72, 75, 254)` looks like.

```
.text, #text, p{  
    color:rgb(72, 75, 254)  
}
```

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(72, 75, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 75, 254) }
```

Border

The CSS property to change the border of an element to XYZ 23.0780, 13.5656, 95.1680 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(72, 75, 254) }
```


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

```
.border{ border-color:rgb(72, 75, 254) }
```

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

Here you see how a box with a 4 pixel rgb(72, 75, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 75, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 75, 254);  
box-shadow:4px 4px 4px 4px rgb(72, 75,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0780, 13.5656, 95.1680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 75, 254) }
```

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

```
.background{ background-color: rgb(72, 75,  
254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor