

Converting Colors

XYZ(23.3128, 21.8657, 46.3083)

Have a look what the booklet for
XYZ(23.3128, 21.8657, 46.3083)
contains.

XYZ(23.3176, 21.9556, 46.1889)	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(23.3176, 21.9556,
46.1889)**

Conversions

Conversions Part 1

Format	Color
Hex	787DB4
RGB	120, 125, 180
RGB Percent	47%, 49%, 71%
CMY	0.5294, 0.5098, 0.2941
CMYK	0.33, 0.31, 0.00, 0.29
HSL	235°, 29%, 59%
HSV	235°, 33%, 71%
XYZ	23.3176, 21.9556, 46.1889
YIQ	129.7750, -20.6350, 16.0450

Conversions

Conversions Part 2

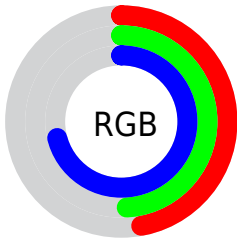
Format	Color
R_{YB}	120, 125, 180
Decimal	7896500
CIE _{Lab}	53.98, 11.37, -29.62
CIE _{LCh}	54, 31.727, 290.996
Yxy	21.9556, 0.2549, 0.2401
Android (android.graphics.Color)	4286086580 (0xFF787DB4)
YUV	129.7750, 24.7609, -8.5727
Hunter-Lab	46.8568, 6.8285, -25.6451

Details

The XYZ color **23.3176, 21.9556, 46.1889** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **37.5431, 41.7200, 23.8443**, and the grayscale version is **21.0599, 22.1567, 24.1286**.

A 20% lighter version of the original color is **48.3180, 46.4991, 85.7855**, and **8.8695, 7.9664, 21.1489** is the 20% darker color. If you saturate the color by 10%, you get **19.1338, 16.9516, 45.4439**, and if you desaturate by 10%, it is **28.3192, 27.8972, 47.0725**.

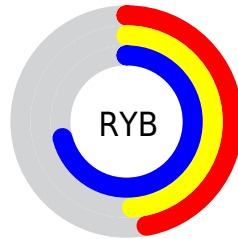
Distribution



Red (47%)

Green (49%)

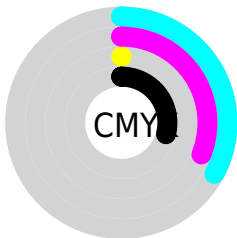
Blue (71%)



Red (47%)

Yellow (49%)

Blue (71%)

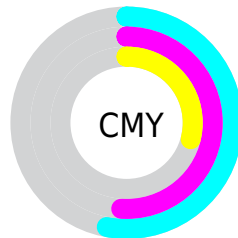


Cyan (33%)

Magenta (31%)

Yellow (0%)

Black (29%)



Cyan (53%)

Magenta (51%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3176, 21.9556, 46.1889 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 23.3176, 21.9556, 46.1889 by changing the saturation by 10% instead.

■ 23.3176, 21.9556,
46.1889

■ 23.3176, 21.9556,
46.1889

261.8571,
262.3143, 387.8672

■ 14.9502, 13.8243,
32.0452

■ 48.3771, 46.6726,
85.8389

■ 8.8705, 7.9985,
21.1309

■ 65.8000, 64.0271,
112.1822

■ 4.7133, 4.0940,
13.0275

■ 86.9719, 85.2247,
143.4292

■ 2.1130, 1.7263,
7.3166

112.2585,
110.6499, 179.9983

■ 0.6963, 0.4406,
3.5794

142.0249,
140.6871, 222.3081

■ 0.0000, 0.0000,
1.3976

176.6366,

■ 0.0000, 0.0000,

175.7206, 270.7772

0.1398

216.4588,
216.1349, 325.8240

■ 0.0000, 0.0000,
0.0000

■ 23.3176, 21.9556,
46.1889

■ 23.3176, 21.9556,
46.1889

■ 19.1338, 16.9516,
45.4439

■ 28.3192, 27.8972,
47.0725

■ 15.7220, 12.8349,
44.8292

■ 34.1765, 34.8182,
48.0997

■ 13.0355, 9.5542,
44.3375

■ 40.9280, 42.7612,
49.2770

■ 11.0214, 7.0519,
43.9607

■ 48.6088, 51.7652,
50.6101

■ 9.6197, 5.2631,
43.6893

■ 57.2526, 61.8674,
52.1045

■ 8.7594, 4.1123,
43.5125

■ 66.8909, 73.1030,
53.7652

■ 8.4091, 3.6369,
43.4392

■ 77.5541, 85.5059,
55.5972

■ 85.2383, 96.0753,
57.2323

Harmonies

Analogous

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



19.8544, 21.9556, 47.7889



23.3176, 21.9556, 46.1889



26.4150, 21.9556, 37.8480

Triad

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



23.3176, 21.9556, 46.1889



25.2930, 21.9556, 12.0414



15.0166, 21.9556, 21.0742

Complementary

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



23.3176, 21.9556, 46.1889



37.5431, 41.7200, 23.8443

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.



16.1578, 21.9556, 13.8926



23.3176, 21.9556, 46.1889



21.9158, 21.9556, 9.6983

Square

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



23.3176, 21.9556, 46.1889



27.6394, 21.9556, 17.7654



18.5965, 21.9556, 10.2679



15.3043, 21.9556, 31.3198

Rectangle

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



23.3176, 21.9556, 46.1889



27.7339, 21.9556, 30.5879



18.5965, 21.9556, 10.2679



15.2407, 21.9556, 18.2757

Sweetspot

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



23.3184, 21.9564, 46.1894



65.6599, 67.4809, 87.8591



31.8055, 39.7313, 46.5505



13.8382, 14.1690, 18.9278



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.3184, 21.9564, 46.1894



36.5624, 32.9788, 82.7331



26.6325, 22.7489, 46.1677



8.0970, 8.3402, 10.6894



5.8905, 2.5814, 30.3248



0.2040, 0.1185, 0.9604

Inverse Universe

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



29.2412, 24.6178, 22.6134



49.0098, 38.7297, 33.1505



33.2296, 40.9677, 23.9264



8.5242, 8.5164, 8.9926



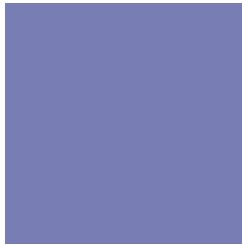
13.2079, 6.8007, 0.9889



0.4250, 0.2177, 0.0806

Previews

White Background



This preview shows how the XYZ color 23.3176, 21.9556, 46.1889 looks on a white background.

Color Contrast Check

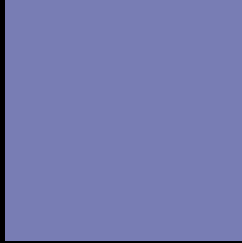
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3176, 21.9556, 46.1889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

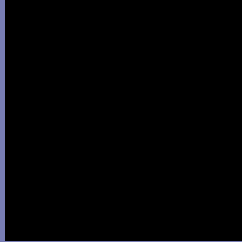
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.3176, 21.9556, 46.1889

Background



This preview shows how black text looks on a background with the XYZ color 23.3176, 21.9556, 46.1889.



This preview shows how white text looks on a background with the XYZ color 23.3176, 21.9556,

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

23.3176, 21.9556, 46.1889

Protanopia

22.7150, 22.0009, 47.3054

Deuteranopia

22.4081, 21.8782, 45.6897



Tritanopia

19.8913, 21.9304, 29.1712

Trichromacy



Original Color

23.3176, 21.9556, 46.1889

Protanomaly

22.8716, 21.9027, 46.7383

Deuteranomaly

22.6678, 21.8212, 45.6650

Tritanomaly

20.9212, 21.7457, 34.5472

Monochromacy



Original Color

23.3176, 21.9556, 46.1889

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.6687, 22.0121, 31.1237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3176, 21.9556, 46.1889 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(120, 125, 180)` looks like.

```
.text, #text, p{  
    color:rgb(120, 125, 180)  
}
```

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(120, 125, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 125, 180) }
```

Border

The CSS property to change the border of an element to XYZ 23.3176, 21.9556, 46.1889 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(120, 125, 180) }
```


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

```
.border{ border-color:rgb(120, 125, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 125, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 125, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 125, 180);  
box-shadow:4px 4px 4px 4px rgb(120, 125,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3176, 21.9556, 46.1889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 125, 180) }
```

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

```
.background{ background-color: rgb(120,  
125, 180) }
```

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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