

Converting Colors

XYZ(23.5625, 22.1228, 41.1708)

Have a look what the booklet for
XYZ(23.5625, 22.1228, 41.1708)
contains.

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Color

**XYZ(23.6426, 22.2366,
41.0762)**

Conversions

Conversions Part 1

Format	Color
Hex	817DAA
RGB	129, 125, 170
RGB Percent	51%, 49%, 67%
CMY	0.4941, 0.5098, 0.3333
CMYK	0.24, 0.26, 0.00, 0.33
HSL	245°, 21%, 58%
HSV	245°, 26%, 67%
XYZ	23.6426, 22.2366, 41.0762
YIQ	131.3260, -12.0610, 14.8430

Conversions

Conversions Part 2

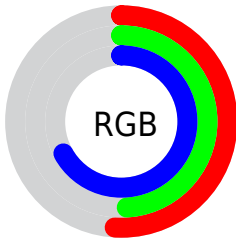
Format	Color
R _Y B	129, 125, 170
Decimal	8486314
CIE Lab	54.28, 11.53, -23.35
CIE LCh	54, 26.039, 296.292
Yxy	22.2366, 0.2719, 0.2557
Android (android.graphics.Color)	4286676394 (0xFF817DAA)
YUV	131.3260, 19.0663, -2.0399
Hunter-Lab	47.1557, 6.9726, -18.6371

Details

The XYZ color **23.6426, 22.2366, 41.0762** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.8028, 38.3375, 25.0212**, and the grayscale version is **21.6275, 22.7538, 24.7789**.

A 20% lighter version of the original color is **49.0394, 47.3443, 77.7879**, and **9.0789, 8.1392, 18.2320** is the 20% darker color. If you saturate the color by 10%, you get **19.4949, 17.1728, 40.3178**, and if you desaturate by 10%, it is **28.5168, 28.2227, 41.9751**.

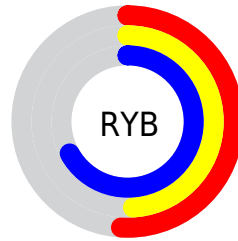
Distribution



Red (51%)

Green (49%)

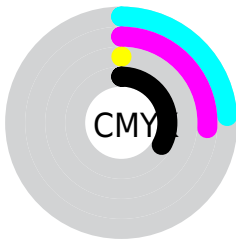
Blue (67%)



Red (51%)

Yellow (49%)

Blue (67%)

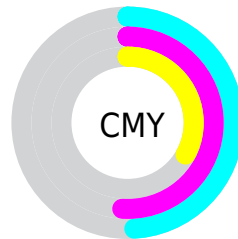


Cyan (24%)

Magenta (26%)

Yellow (0%)

Black (33%)



Cyan (49%)

Magenta (51%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6426, 22.2366, 41.0762 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 23.6426, 22.2366, 41.0762 by changing the saturation by 10% instead.

■ 23.6426, 22.2366,
41.0762

■ 23.6426, 22.2366,
41.0762

263.4827,
263.7794, 366.3251

■ 15.1920, 14.0309,
28.0585

■ 48.9053, 47.1367,
78.0545

■ 9.0414, 8.1421,
18.1303

■ 66.4481, 64.5999,
102.8521

■ 4.8256, 4.1860,
10.8732

■ 87.7523, 85.9177,
132.4135

■ 2.1790, 1.7782,
5.8685

113.1834,
111.4745, 167.1571

■ 0.7316, 0.4735,
2.6978

143.1066,
141.6546, 207.5015

■ 0.0000, 0.0000,
0.9423

177.8873,

■ 0.0000, 0.0000,

176.8426, 253.8653

0.0000

217.8909,
217.4227, 306.6670

■ 23.6426, 22.2366,
41.0762

■ 23.6426, 22.2366,
41.0762

■ 19.4949, 17.1728,
40.3178

■ 28.5168, 28.2227,
41.9751

■ 16.0367, 12.9829,
39.6913

■ 34.1476, 35.1710,
43.0195

■ 13.2311, 9.6181,
39.1897

■ 40.5663, 43.1224,
44.2160

■ 11.0369, 7.0237,
38.8046

■ 47.8017, 52.1144,
45.5703

■ 9.4081, 5.1384,
38.5265

■ 55.8810, 62.1828,
47.0878

■ 8.2922, 3.8915,
38.3447

■ 64.8303, 73.3616,
48.7739

■ 7.6213, 3.1875,
38.2441

■ 74.6745, 85.6833,
50.6333

■ 7.4546, 3.0048,
38.2177

■ 83.4924, 95.2888,
52.0226

■ 84.2558, 95.6823,
52.0584

Harmonies

Analogous

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



20.7847, 22.2366, 43.3682



23.6426, 22.2366, 41.0762



26.0013, 22.2366, 33.9487

Triad

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



23.6426, 22.2366, 41.0762



24.3066, 22.2366, 13.4096



16.1494, 22.2366, 23.2164

Complementary

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



23.6426, 22.2366, 41.0762



33.8028, 38.3375, 25.0212

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.



16.9176, 22.2366, 16.5413



23.6426, 22.2366, 41.0762



21.4896, 22.2366, 11.7366

Square

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



23.6426, 22.2366, 41.0762



26.4081, 22.2366, 17.9349



18.8117, 22.2366, 12.7403



16.6156, 22.2366, 31.8053

Rectangle

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



23.6426, 22.2366, 41.0762



26.8850, 22.2366, 28.1024



18.8117, 22.2366, 12.7403



16.2699, 22.2366, 20.6981

Sweetspot

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



23.6433, 22.2375, 41.0767



60.1466, 61.5761, 77.7172



29.3955, 34.6262, 43.1648



13.0644, 13.3012, 17.2665



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.6433, 22.2375, 41.0767



38.1460, 34.5385, 73.6580



27.3989, 24.1736, 41.2525



7.1914, 7.3312, 9.4544



5.5055, 2.2216, 28.1141



0.1526, 0.0636, 0.6849

Inverse Universe

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



30.7947, 25.9672, 39.4659



53.4572, 42.5275, 70.0452



29.5350, 36.1374, 24.8214



7.8127, 7.6549, 9.3310



16.5505, 8.0289, 23.5081



0.4107, 0.1986, 0.6144

Previews

White Background



This preview shows how the XYZ color 23.6426, 22.2366, 41.0762 looks on a white background.

Color Contrast Check

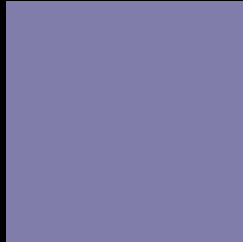
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6426, 22.2366, 41.0762 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 23.6426, 22.2366, 41.0762

Background



This preview shows how black text looks on a background with the XYZ color 23.6426, 22.2366, 41.0762.



This preview shows how white text looks on a background with the XYZ color 23.6426, 22.2366,

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

23.6426, 22.2366, 41.0762

Protanopia

22.5017, 22.1988, 42.1286

Deuteranopia

22.7658, 22.3679, 40.6537



Tritanopia

20.9587, 22.0993, 28.3603

Trichromacy



Original Color

23.6426, 22.2366, 41.0762

Protanomaly

22.8252, 22.1840, 41.6070

Deuteranomaly

23.0630, 22.3284, 40.6304

Tritanomaly

21.8441, 22.0653, 32.8135

Monochromacy



Original Color

23.6426, 22.2366, 41.0762

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.1670, 22.4907, 29.9609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6426, 22.2366, 41.0762 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(129, 125, 170)` looks like.

```
.text, #text, p{  
    color:rgb(129, 125, 170)  
}
```

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(129, 125, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 125, 170) }
```

Border

The CSS property to change the border of an element to XYZ 23.6426, 22.2366, 41.0762 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(129, 125, 170) }
```


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

```
.border{ border-color:rgb(129, 125, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 125, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 125, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 125, 170);  
box-shadow:4px 4px 4px 4px rgb(129, 125,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6426, 22.2366, 41.0762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 125, 170) }
```

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

```
.background{ background-color: rgb(129,  
125, 170) }
```

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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