

Converting Colors

XYZ(23.2309, 11.6464, 70.8369)

Have a look what the booklet for
XYZ(23.2309, 11.6464, 70.8369)
contains.

XYZ(23.2005, 11.6508, 70.8381)	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>	30

Color

**XYZ(23.2005, 11.6508,
70.8381)**

Conversions

Conversions Part 1

Format	Color
Hex	812ADF
RGB	129, 42, 223
RGB Percent	51%, 16%, 87%
CMY	0.4941, 0.8353, 0.1255
CMYK	0.42, 0.81, 0.00, 0.13
HSL	269°, 74%, 52%
HSV	269°, 81%, 87%
XYZ	23.2005, 11.6508, 70.8381
YIQ	88.6470, -6.2490, 74.7350

Conversions

Conversions Part 2

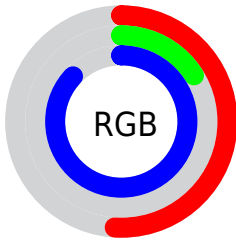
Format	Color
R _Y B	129, 42, 223
Decimal	8465119
CIE Lab	40.66, 68.28, -75.62
CIE LCh	41, 101.880, 312.079
Yxy	11.6508, 0.2195, 0.1102
Android (android.graphics.Color)	4286655199 (0xFF812ADF)
YUV	88.6470, 66.2360, 35.3896
Hunter-Lab	34.1333, 61.5938, -99.1536

Details

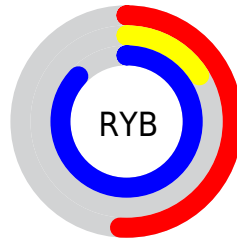
The XYZ color **23.2005, 11.6508, 70.8381** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **36.9586, 58.1768, 11.4719**, and the grayscale version is **9.2782, 9.7614, 10.6301**.

A 20% lighter version of the original color is **43.4981, 26.9625, 97.5194**, and **9.1977, 3.9465, 36.3534** is the 20% darker color. If you saturate the color by 10%, you get **20.9573, 9.6288, 70.5663**, and if you desaturate by 10%, it is **26.0838, 14.6549, 71.2663**.

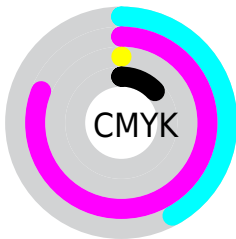
Distribution



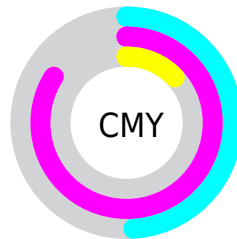
- Red (51%)
- Green (16%)
- Blue (87%)



- Red (51%)
- Yellow (16%)
- Blue (87%)



- Cyan (42%)
- Magenta (81%)
- Yellow (0%)
- Black (13%)



- Cyan (49%)
- Magenta (84%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2005, 11.6508, 70.8381 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 23.2005, 11.6508, 70.8381 by changing the saturation by 10% instead.

23.2005, 11.6508,
70.8381

23.2005, 11.6508,
70.8381

261.2693,
202.0796, 482.3557

14.8631, 6.5064,
51.7291

48.1866, 28.8575,
122.0955

8.8091, 3.1554,
36.4084

65.5660, 41.6885,
155.0809

4.6730, 1.2134,
24.4576

86.6901, 57.8506,
193.5288

2.0895, 0.0726,
15.4581

111.9244, 77.7280,
237.8579

0.6835, 0.0000,
8.9913

141.6341,
101.7053, 288.4865

0.0000, 0.0000,
4.6388

176.1845,

0.0000, 0.0000,

130.1667, 345.8334

1.9819

215.9412,
163.4966, 410.3169

■ 0.0000, 0.0000,
0.5441

■ 0.0000, 0.0000,
0.0000

■ 23.2005, 11.6508,
70.8381

■ 23.2005, 11.6508,
70.8381

■ 20.9573, 9.6288,
70.5663

■ 26.0838, 14.6549,
71.2663

■ 19.4059, 8.4655,
70.4235

■ 29.6752, 18.7710,
71.8715

■ 34.0349, 24.1094,
72.6721

■ 39.2153, 30.7662,
73.6839

45.2637, 38.8277,
74.9212

52.2234, 48.3726,
76.3967

60.1347, 59.4739,
78.1225

69.0351, 72.1993,
80.1097

78.9603, 86.6126,
82.3686

Harmonies

Analogous

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



14.2345, 11.6508, 104.5434



23.2005, 11.6508, 70.8381



30.1881, 11.6508, 29.2388

Triad

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



23.2005, 11.6508, 70.8381



15.9094, 11.6508, 0.0000



2.2981, 11.6508, 22.9363

Complementary

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



23.2005, 11.6508, 70.8381



36.9586, 58.1768, 11.4719

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.



2.4286, 11.6508, 3.9724



23.2005, 11.6508, 70.8381



8.4194, 11.6508, 0.0000

Square

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



23.2005, 11.6508, 70.8381



24.8748, 11.6508, 0.1273



4.1405, 11.6508, 0.0000



3.6434, 11.6508, 62.2099

Rectangle

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



23.2005, 11.6508, 70.8381



31.5012, 11.6508, 11.2998



4.1405, 11.6508, 0.0000



2.1953, 11.6508, 14.1807

Sweetspot

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



23.2012, 11.6511, 70.8384



67.7959, 61.4372, 102.8931



23.4395, 24.1505, 73.2385



13.7847, 12.1535, 21.8693



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.



23.2012, 11.6511, 70.8384



26.8181, 11.8634, 95.4841



42.7528, 21.7304, 71.7534



13.5758, 13.5649, 17.2904



11.5395, 5.0441, 41.4138



0.9028, 0.4027, 2.8754

Inverse Universe

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



35.7033, 19.1215, 25.1005



45.7743, 23.2066, 25.3978



28.0262, 53.5720, 11.0538



14.0030, 13.8188, 15.7859



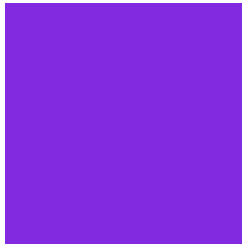
19.7977, 9.9861, 10.8664



1.4175, 0.7103, 0.9912

Previews

White Background



This preview shows how the XYZ color 23.2005, 11.6508, 70.8381 looks on a white background.

Color Contrast Check

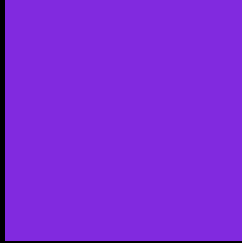
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2005, 11.6508, 70.8381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

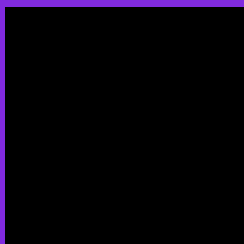
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.2005, 11.6508, 70.8381

Background



This preview shows how black text looks on a background with the XYZ color 23.2005, 11.6508, 70.8381.



This preview shows how white text looks on a background with the XYZ color 23.2005, 11.6508,

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

23.2005, 11.6508, 70.8381

Deuteranopia

11.5297, 11.7508, 38.7062

Tritanopia

11.6301, 11.5350, 13.9254

Trichromacy



Original Color

23.2005, 11.6508, 70.8381

Deuteranomaly

12.9738, 9.6840, 48.7623

Tritanomaly

14.1152, 10.3214, 28.0363

Monochromacy



Original Color

23.2005, 11.6508, 70.8381

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

12.6137, 9.4128, 25.1968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2005, 11.6508, 70.8381 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, 42, 223)` looks like.

```
.text, #text, p{  
    color:rgb(129, 42, 223)  
}
```

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, 42, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 42, 223) }
```

Border

The CSS property to change the border of an element to XYZ 23.2005, 11.6508, 70.8381 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, 42, 223) }
```

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

```
.border{ border-color:rgb(129, 42, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 42, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 42, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 42, 223);  
box-shadow:4px 4px 4px 4px rgb(129, 42,  
223) }
```


Background

The CSS property to change the background color of an element to XYZ 23.2005, 11.6508, 70.8381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 42, 223) }
```

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

```
.background{ background-color: rgb(129, 42,  
223) }
```

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