

Converting Colors

XYZ(23.1100, 14.9168, 55.5488)

Have a look what the booklet for
XYZ(23.1100, 14.9168, 55.5488)
contains.

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Color

**XYZ(23.0965, 14.8664,
55.6850)**

Conversions

Conversions Part 1

Format	Color
Hex	874FC7
RGB	135, 79, 199
RGB Percent	53%, 31%, 78%
CMY	0.4706, 0.6902, 0.2196
CMYK	0.32, 0.60, 0.00, 0.22
HSL	268°, 52%, 55%
HSV	268°, 60%, 78%
XYZ	23.0965, 14.8664, 55.6850
YIQ	109.4240, -5.1440, 49.1920

Conversions

Conversions Part 2

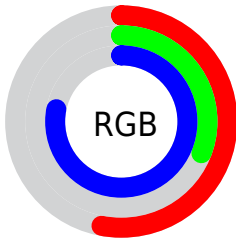
Format	Color
R_{YB}	135, 79, 199
Decimal	8867783
CIE _{Lab}	45.45, 47.14, -53.99
CIE _{LCh}	45, 71.673, 311.125
Yxy	14.8664, 0.2466, 0.1587
Android (android.graphics.Color)	4287057863 (0xFF874FC7)
YUV	109.4240, 44.1610, 22.4302
Hunter-Lab	38.5570, 39.4508, -58.6383

Details

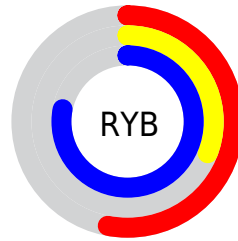
The XYZ color **23.0965, 14.8664, 55.6850** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **33.1624, 47.2512, 14.7700**, and the grayscale version is **14.5362, 15.2932, 16.6543**.

A 20% lighter version of the original color is **47.9045, 34.6591, 98.7728**, and **8.7576, 4.5496, 26.8021** is the 20% darker color. If you saturate the color by 10%, you get **20.2467, 11.5762, 55.2004**, and if you desaturate by 10%, it is **26.5474, 19.1045, 56.3214**.

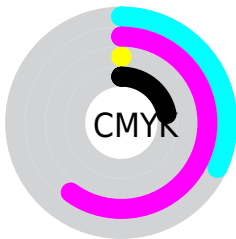
Distribution



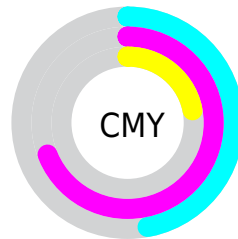
- Red (53%)
- Green (31%)
- Blue (78%)



- Red (53%)
- Yellow (31%)
- Blue (78%)



- Cyan (32%)
- Magenta (60%)
- Yellow (0%)
- Black (22%)



- Cyan (47%)
- Magenta (69%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0965, 14.8664, 55.6850 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 23.0965, 14.8664, 55.6850 by changing the saturation by 10% instead.

■ 23.0965, 14.8664,
55.6850

■ 23.0965, 14.8664,
55.6850

260.7463,
222.5561, 425.8582

■ 14.7859, 8.7257,
39.5481

■ 48.0172, 34.6186,
100.0251

■ 8.7546, 4.5627,
26.8753

■ 65.3580, 48.9989,
129.0653

■ 4.6373, 1.9930,
17.2480

■ 86.4396, 66.8946,
163.2438

■ 2.0686, 0.6034,
10.2476

■ 111.6273, 88.6899,
202.9790

■ 0.6721, 0.0000,
5.4557

■ 141.2864,
114.7693, 248.6895

■ 0.0000, 0.0000,
2.4537

175.7824,

■ 0.0000, 0.0000,

145.5172, 300.7939

0.8155

215.4806,
181.3180, 359.7106

■ 0.0000, 0.0000,
0.0000

■ 23.0965, 14.8664,
55.6850

■ 23.0965, 14.8664,
55.6850

■ 20.2467, 11.5762,
55.2004

■ 26.5474, 19.1045,
56.3214

■ 17.9515, 9.1503,
54.8532

■ 30.6368, 24.3609,
57.1205

■ 16.1592, 7.4928,
54.6277

■ 35.4014, 30.7009,
58.0931

■ 14.8099, 6.4439,
54.4963

■ 40.8740, 38.1838,
59.2490

■ 47.0852, 46.8646,
60.5972

■ 54.0637, 56.7944,
62.1461

■ 61.8366, 68.0215,
63.9034

■ 70.4295, 80.5917,
65.8768

■ 78.8693, 92.5528,
67.7407

Harmonies

Analogous

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



16.4608, 14.8664, 74.5503



23.0965, 14.8664, 55.6850



28.0000, 14.8664, 29.3102

Triad

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



23.0965, 14.8664, 55.6850



18.1753, 14.8664, 0.7372



5.5989, 14.8664, 23.3886

Complementary

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



23.0965, 14.8664, 55.6850



33.1624, 47.2512, 14.7700

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.



5.8182, 14.8664, 7.7155



23.0965, 14.8664, 55.6850



12.0305, 14.8664, 0.5619

Square

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



23.0965, 14.8664, 55.6850



24.6515, 14.8664, 2.7684



7.8489, 14.8664, 1.9092



7.1311, 14.8664, 48.8315

Rectangle

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



23.0965, 14.8664, 55.6850



28.9809, 14.8664, 15.5508



7.8489, 14.8664, 1.9092



5.4846, 14.8664, 16.8403

Sweetspot

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



23.0972, 14.8669, 55.6854



73.6755, 69.7793, 104.1934



23.3561, 25.4311, 57.7108



15.1191, 14.0349, 22.1621



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.



23.0972, 14.8669, 55.6854



34.2496, 18.9540, 96.4611



35.6108, 21.3179, 56.2710



10.5194, 10.5260, 13.3948



9.6222, 4.1947, 35.0469



0.5390, 0.2416, 1.6634

Inverse Universe

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



31.3073, 19.7176, 28.1421



50.7100, 28.6940, 40.5581



25.4023, 43.2507, 14.4069



10.8663, 10.7299, 12.2793



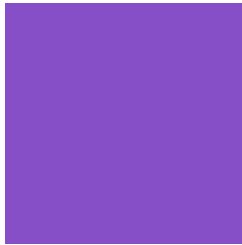
16.8671, 8.4964, 9.7758



0.8350, 0.4168, 0.6543

Previews

White Background



This preview shows how the XYZ color 23.0965, 14.8664, 55.6850 looks on a white background.

Color Contrast Check

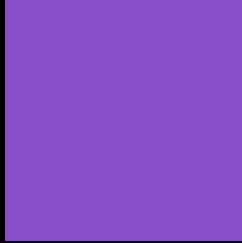
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0965, 14.8664, 55.6850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

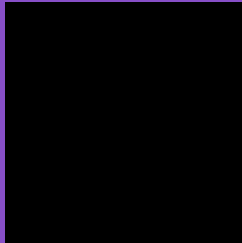
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.0965, 14.8664, 55.6850

Background



This preview shows how black text looks on a background with the XYZ color 23.0965, 14.8664, 55.6850.



This preview shows how white text looks on a background with the XYZ color 23.0965, 14.8664,

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

23.0965, 14.8664, 55.6850

Protanopia

18.0015, 15.1211, 70.3765

Deuteranopia

15.5783, 15.1963, 52.5642



Tritanopia

15.3462, 14.9220, 17.4006

Trichromacy



Original Color

23.0965, 14.8664, 55.6850



Protanomaly

17.3691, 13.6415, 64.6684



Deuteranomaly

16.4265, 13.9538, 53.4573



Tritanomaly

17.4384, 14.4831, 28.2620

Monochromacy



Original Color

23.0965, 14.8664, 55.6850



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

16.7214, 14.5399, 27.5164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0965, 14.8664, 55.6850 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(135, 79, 199)` looks like.

```
.text, #text, p{  
    color:rgb(135, 79, 199)  
}
```

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(135, 79, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 79, 199) }
```

Border

The CSS property to change the border of an element to XYZ 23.0965, 14.8664, 55.6850 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(135, 79, 199) }
```


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

```
.border{ border-color:rgb(135, 79, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 79, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 79, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 79, 199);  
box-shadow:4px 4px 4px 4px rgb(135, 79,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0965, 14.8664, 55.6850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 79, 199) }
```

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

```
.background{ background-color: rgb(135, 79,  
199) }
```

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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