

Converting Colors

XYZ(29.9230, 23.9030, 54.7872)

Have a look what the booklet for
XYZ(29.9230, 23.9030, 54.7872)
contains.

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Color

**XYZ(29.8463, 23.8656,
54.6632)**

Conversions

Conversions Part 1

Format	Color
Hex	9B76C3
RGB	155, 118, 195
RGB Percent	61%, 46%, 76%
CMY	0.3921, 0.5372, 0.2353
CMYK	0.21, 0.39, 0.00, 0.24
HSL	269°, 39%, 61%
HSV	269°, 39%, 76%
XYZ	29.8463, 23.8656, 54.6632
YIQ	137.8410, -2.6650, 31.7910

Conversions

Conversions Part 2

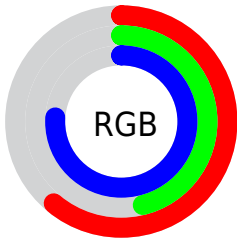
Format	Color
R_{YB}	155, 118, 195
Decimal	10188483
CIE _{Lab}	55.95, 29.71, -34.90
CIE _{LCh}	56, 45.831, 310.407
Yxy	23.8656, 0.2754, 0.2202
Android (android.graphics.Color)	4288378563 (0xFF9B76C3)
YUV	137.8410, 28.1794, 15.0484
Hunter-Lab	48.8524, 23.5625, -32.1456

Details

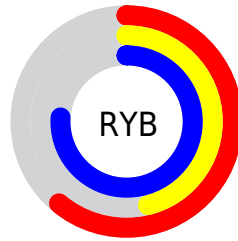
The XYZ color **29.8463, 23.8656, 54.6632** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **36.8865, 47.6079, 24.3857**, and the grayscale version is **23.9945, 25.2441, 27.4908**.

A 20% lighter version of the original color is **58.9976, 50.0030, 98.6375**, and **12.4153, 9.0041, 26.2829** is the 20% darker color. If you saturate the color by 10%, you get **25.9198, 18.7781, 53.8886**, and if you desaturate by 10%, it is **34.4123, 29.9884, 55.6048**.

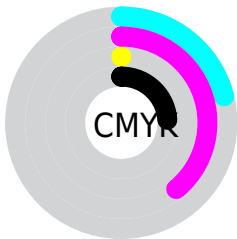
Distribution



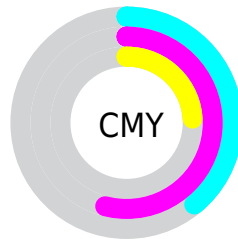
- Red (61%)
- Green (46%)
- Blue (76%)



- Red (61%)
- Yellow (46%)
- Blue (76%)



- Cyan (21%)
- Magenta (39%)
- Yellow (0%)
- Black (24%)





- Cyan (39%)
- Magenta (54%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8463, 23.8656, 54.6632 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 29.8463, 23.8656, 54.6632 by changing the saturation by 10% instead.

 29.8463, 23.8656,
54.6632


 29.8463, 23.8656,
54.6632


293.1101,
272.1403, 421.8799


 19.8694, 15.2340,
38.7354

 58.8073, 49.8108,
98.5135

 12.4079, 8.9837,
26.2477


 78.5222, 67.8931,
127.2731

 7.0963, 4.7306,
16.7816


 102.2138, 89.8945,
161.1469

 3.5693, 2.0901,
9.9186

130.2475,
116.1992, 200.5536

 1.4615, 0.6590,
5.2401

162.9886,
147.1918, 245.9118

 0.2994, 0.0000,
2.3276

200.8025,

 0.0000, 0.0000,

183.2566, 297.6398

0.7466

244.0545,
224.7779, 356.1563

■ 0.0000, 0.0000,
0.0000

■ 29.8463, 23.8656,
54.6632

■ 29.8463, 23.8656,
54.6632

■ 25.9198, 18.7781,
53.8886

■ 34.4123, 29.9884,
55.6048

■ 22.5968, 14.6621,
53.2692

■ 39.6460, 37.1996,
56.7208

■ 19.8412, 11.4509,
52.7946

■ 45.5769, 45.5518,
58.0204

■ 17.6116, 9.0678,
52.4522

■ 52.2319, 55.0934,
59.5113

■ 15.8594, 7.4226,
52.2270

■ 59.6363, 65.8700,
61.2012

■ 14.5002, 6.3534,
52.0922

■ 67.8142, 77.9247,
63.0969

■ 14.4359, 6.3041,
52.0861

■ 76.7886, 91.2985,
65.2053

■ 80.2163, 93.3001,
65.4110

■ 83.6766, 95.0840,
65.5730

Harmonies

Analogous

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



24.5489, 23.8656, 65.8508



29.8463, 23.8656, 54.6632



33.5375, 23.8656, 36.8892

Triad

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



29.8463, 23.8656, 54.6632



26.2256, 23.8656, 7.2010



14.1608, 23.8656, 31.5427

Complementary

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



29.8463, 23.8656, 54.6632



36.8865, 47.6079, 24.3857

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.



14.4674, 23.8656, 17.4749



29.8463, 23.8656, 54.6632



20.9151, 23.8656, 6.7053

Square

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



29.8463, 23.8656, 54.6632



31.2348, 23.8656, 11.4309



16.7696, 23.8656, 9.6462



15.8555, 23.8656, 49.4813

Rectangle

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



29.8463, 23.8656, 54.6632



34.2985, 23.8656, 25.7817



16.7696, 23.8656, 9.6462



14.0405, 23.8656, 26.1905

Sweetspot

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



29.8471, 23.8666, 54.6637



78.6340, 77.3374, 103.2529



29.7320, 32.6118, 56.3578



16.9038, 16.4893, 22.5418



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.



29.8471, 23.8666, 54.6637



47.5781, 35.1034, 96.7378



38.1775, 28.1610, 55.0536



9.9785, 9.9801, 12.6853



9.4785, 4.1468, 33.8574



0.4891, 0.2202, 1.4666

Inverse Universe

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



35.1564, 27.0285, 35.7128



58.7050, 41.7340, 56.8500



30.6105, 44.3725, 24.0920



10.2868, 10.1633, 11.6007



16.2065, 8.1723, 8.9993



0.7349, 0.3670, 0.5715

Previews

White Background



This preview shows how the XYZ color 29.8463, 23.8656, 54.6632 looks on a white background.

Color Contrast Check

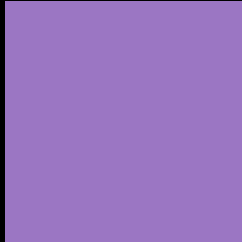
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8463, 23.8656, 54.6632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

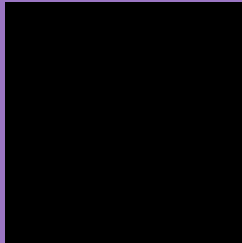
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.8463, 23.8656, 54.6632

Background



This preview shows how black text looks on a background with the XYZ color 29.8463, 23.8656, 54.6632.



This preview shows how white text looks on a background with the XYZ color 29.8463, 23.8656,

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

29.8463, 23.8656, 54.6632

Protanopia

25.5772, 24.1333, 62.3416

Deuteranopia

24.5840, 24.0256, 53.2109



Tritanopia

24.5703, 23.9697, 28.1426

Trichromacy



Original Color

29.8463, 23.8656, 54.6632

Protanomaly

26.6810, 23.7756, 59.6828

Deuteranomaly

26.2469, 23.8778, 53.6776

Tritanomaly

26.2004, 23.8493, 36.4802

Monochromacy



Original Color

29.8463, 23.8656, 54.6632

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.8759, 24.6651, 36.1979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8463, 23.8656, 54.6632 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(155, 118, 195)` looks like.

```
.text, #text, p{  
    color:rgb(155, 118, 195)  
}
```

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(155, 118, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 118, 195) }
```

Border

The CSS property to change the border of an element to XYZ 29.8463, 23.8656, 54.6632 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(155, 118, 195) }
```


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

```
.border{ border-color:rgb(155, 118, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 118, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 118, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 118, 195);  
box-shadow:4px 4px 4px 4px rgb(155, 118,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8463, 23.8656, 54.6632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 118, 195) }
```

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

```
.background{ background-color: rgb(155,  
118, 195) }
```

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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