

Converting Colors

XYZ(31.0286, 23.8778, 53.7339)

Have a look what the booklet for
XYZ(31.0286, 23.8778, 53.7339)
contains.

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Color

**XYZ(31.0648, 23.8222,
53.9998)**

Conversions

Conversions Part 1

Format	Color
Hex	A472C2
RGB	164, 114, 194
RGB Percent	64%, 45%, 76%
CMY	0.3569, 0.5529, 0.2392
CMYK	0.15, 0.41, 0.00, 0.24
HSL	278°, 40%, 60%
HSV	278°, 41%, 76%
XYZ	31.0648, 23.8222, 53.9998
YIQ	138.0700, 4.1200, 35.4800

Conversions

Conversions Part 2

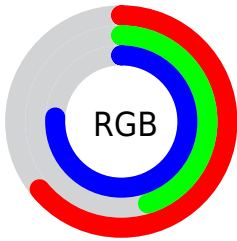
Format	Color
RYB	164, 114, 194
Decimal	10777282
CIELab	55.91, 34.46, -34.33
CIElCh	56, 48.640, 315.109
Yxy	23.8222, 0.2853, 0.2188
Android (android.graphics.Color)	4288967362 (0xFFA472C2)
YUV	138.0700, 27.5735, 22.7406
Hunter-Lab	48.8080, 28.1958, -31.4312

Details

The XYZ color **31.0648, 23.8222, 53.9998** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **33.8313, 45.7283, 22.9639**, and the grayscale version is **24.0820, 25.3361, 27.5910**.

A 20% lighter version of the original color is **60.7465, 49.8181, 97.6810**, and **13.1226, 8.9397, 25.8449** is the 20% darker color. If you saturate the color by 10%, you get **27.6457, 19.1489, 53.2783**, and if you desaturate by 10%, it is **35.0355, 29.4699, 54.8810**.

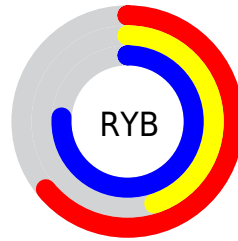
Distribution



Red (64%)

Green (45%)

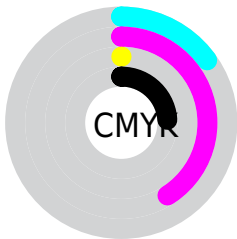
Blue (76%)



Red (64%)

Yellow (45%)

Blue (76%)

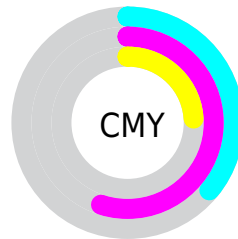


Cyan (15%)

Magenta (41%)

Yellow (0%)

Black (24%)



Cyan (36%)

Magenta (55%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0648, 23.8222, 53.9998 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 31.0648, 23.8222, 53.9998 by changing the saturation by 10% instead.

■ 31.0648, 23.8222,
53.9998

■ 31.0648, 23.8222,
53.9998

298.6583,
271.9203, 419.2838

■ 20.8003, 15.2018,
38.2083

■ 60.7172, 49.7399,
97.5304

■ 13.0897, 8.9611,
25.8413

■ 80.8358, 67.8060,
126.1065

■ 7.5678, 4.7158,
16.4803

■ 104.9698, 89.7894,
159.7813

■ 3.8691, 2.0815,
9.7066

■ 133.4846,
116.0745, 198.9733

■ 1.6284, 0.6542,
5.1018

166.7455,
147.0458, 244.1010

■ 0.4108, 0.0000,
2.2473

205.1178,

■ 0.0000, 0.0000,

183.0876, 295.5830

0.7015

248.9670,
224.5843, 353.8377

■ 0.0000, 0.0000,
0.0000

■ 31.0648, 23.8222,
53.9998

■ 31.0648, 23.8222,
53.9998

■ 27.6457, 19.1489,
53.2783

■ 35.0355, 29.4699,
54.8810

■ 24.7447, 15.3870,
52.7051

■ 39.5838, 36.1437,
55.9295

■ 22.3281, 12.4709,
52.2696

■ 44.7366, 43.8951,
57.1541

■ 20.3568, 10.3242,
51.9592

■ 50.5187, 52.7713,
58.5626

■ 18.7843, 8.8564,
51.7587

■ 56.9530, 62.8167,
60.1624

■ 17.6581, 7.9782,
51.6486

■ 64.0616, 74.0731,
61.9605

■ 71.8651, 86.5804,
63.9633

■ 75.6836, 90.9765,
64.6106

■ 77.9630, 92.1516,
64.7173

Harmonies

Analogous

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



25.5360, 23.8222, 67.9834



31.0648, 23.8222, 53.9998



34.5852, 23.8222, 34.6007

Triad

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



31.0648, 23.8222, 53.9998



25.4935, 23.8222, 6.2075



13.8316, 23.8222, 34.7374

Complementary

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



31.0648, 23.8222, 53.9998



33.8313, 45.7283, 22.9639

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.



13.8240, 23.8222, 18.8577



31.0648, 23.8222, 53.9998



19.9758, 23.8222, 6.2192

Square

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



31.0648, 23.8222, 53.9998



31.0293, 23.8222, 9.7648



15.8989, 23.8222, 9.8078



15.9217, 23.8222, 54.1343

Rectangle

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



31.0648, 23.8222, 53.9998



35.0054, 23.8222, 23.3134



15.8989, 23.8222, 9.8078



13.5981, 23.8222, 28.7532

Sweetspot

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



31.0656, 23.8232, 54.0003



80.1112, 78.0989, 103.3221



26.7524, 27.6225, 54.9610



17.2597, 16.6728, 22.5584



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.



31.0656, 23.8232, 54.0003



50.9305, 35.8223, 96.6998



36.9879, 26.9936, 48.9760



10.1194, 10.0527, 12.6918



11.7029, 5.2935, 33.9615



0.5800, 0.2670, 1.4709

Inverse Universe

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



33.3002, 25.5185, 29.5568



55.8766, 39.5147, 45.3099



29.8280, 43.6000, 25.6930



10.2259, 10.1390, 11.2803



15.4496, 7.8696, 5.0134



0.7010, 0.3534, 0.3931

Previews

White Background



This preview shows how the XYZ color 31.0648, 23.8222, 53.9998 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 31.0648, 23.8222, 53.9998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

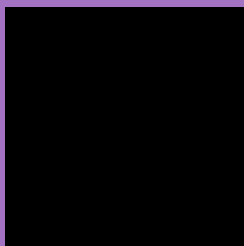
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0648, 23.8222, 53.9998

Background



This preview shows how black text looks on a background with the XYZ color 31.0648, 23.8222, 53.9998.



This preview shows how white text looks on a background with the XYZ color 31.0648, 23.8222,

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

31.0648, 23.8222, 53.9998

Protanopia

25.7037, 24.1701, 63.6322

Deuteranopia

24.6212, 24.0702, 52.0635



Tritanopia

25.5509, 23.9249, 26.5638

Trichromacy



Original Color

31.0648, 23.8222, 53.9998

Protanomaly

26.9851, 23.5389, 60.2479

Deuteranomaly

26.3805, 23.5888, 52.4529

Tritanomaly

27.1459, 23.6225, 35.0271

Monochromacy



Original Color

31.0648, 23.8222, 53.9998

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.0544, 24.3722, 35.6788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0648, 23.8222, 53.9998 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(164, 114, 194)` looks like.

```
.text, #text, p{  
    color:rgb(164, 114, 194)  
}
```

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(164, 114, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 114, 194) }
```

Border

The CSS property to change the border of an element to XYZ 31.0648, 23.8222, 53.9998 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(164, 114, 194) }
```


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

```
.border{ border-color:rgb(164, 114, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 114, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 114, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 114, 194);  
box-shadow:4px 4px 4px 4px rgb(164, 114,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0648, 23.8222, 53.9998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 114, 194) }
```

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

```
.background{ background-color: rgb(164,  
114, 194) }
```

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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