

Converting Colors

XYZ(25.0083, 20.6831, 46.4678)

Have a look what the booklet for
XYZ(25.0083, 20.6831, 46.4678)
contains.

XYZ(25.0608, 20.7219, 46.3949)	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>	31

Color

**XYZ(25.0608, 20.7219,
46.3949)**

Conversions

Conversions Part 1

Format	Color
Hex	8C71B5
RGB	140, 113, 181
RGB Percent	55%, 44%, 71%
CMY	0.4510, 0.5569, 0.2902
CMYK	0.23, 0.38, 0.00, 0.29
HSL	264°, 31%, 58%
HSV	264°, 38%, 71%
XYZ	25.0608, 20.7219, 46.3949
YIQ	128.8250, -5.7360, 26.8720

Conversions

Conversions Part 2

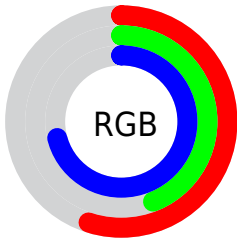
Format	Color
R_{YB}	140, 113, 181
Decimal	9204149
CIE _{Lab}	52.64, 24.74, -32.15
CIE _{LCh}	53, 40.565, 307.581
Yxy	20.7219, 0.2719, 0.2248
Android (android.graphics.Color)	4287394229 (0xFF8C71B5)
YUV	128.8250, 25.7223, 9.8005
Hunter-Lab	45.5213, 18.6071, -28.5629

Details

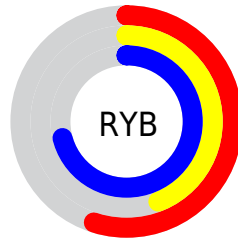
The XYZ color **25.0608, 20.7219, 46.3949** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **32.8315, 41.1105, 21.8283**, and the grayscale version is **20.7200, 21.7991, 23.7392**.

A 20% lighter version of the original color is **51.2469, 44.6268, 86.0336**, and **9.8111, 7.4138, 21.3360** is the 20% darker color. If you saturate the color by 10%, you get **21.4907, 16.1772, 45.7062**, and if you desaturate by 10%, it is **29.2174, 26.1677, 47.2273**.

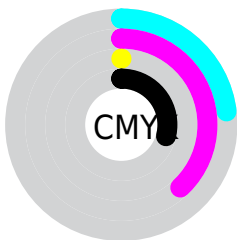
Distribution



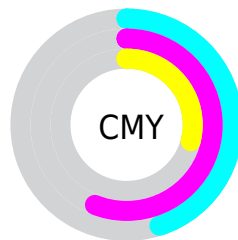
- Red (55%)
- Green (44%)
- Blue (71%)



- Red (55%)
- Yellow (44%)
- Blue (71%)



- Cyan (23%)
- Magenta (38%)
- Yellow (0%)
- Black (29%)



- Cyan (45%)
- Magenta (56%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0608, 20.7219, 46.3949 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 25.0608, 20.7219, 46.3949 by changing the saturation by 10% instead.

■ 25.0608, 20.7219,
46.3949

■ 25.0608, 20.7219,
46.3949

270.4826,
255.7968, 388.7176

■ 16.2513, 12.9209,
32.2066

■ 51.1980, 44.6242,
86.1502

■ 9.7942, 7.3741,
21.2533

■ 69.2565, 61.4943,
112.5543

■ 5.3239, 3.6971,
13.1162

■ 91.1287, 82.1563,
143.8675

■ 2.4752, 1.5056,
7.3769

■ 117.1799,
106.9944, 180.5082

■ 0.8828, 0.2927,
3.6169

147.7756,
136.3931, 222.8950

■ 0.0000, 0.0000,
1.4176

183.2810,

■ 0.0000, 0.0000,

170.7368, 271.4465

0.1554

224.0616,
210.4099, 326.5812

■ 0.0000, 0.0000,
0.0000

■ 25.0608, 20.7219,
46.3949

■ 25.0608, 20.7219,
46.3949

■ 21.4907, 16.1772,
45.7062

■ 29.2174, 26.1677,
47.2273

■ 18.4757, 12.4802,
45.1515

■ 33.9856, 32.5588,
48.2096

■ 15.9842, 9.5757,
44.7222

■ 39.3914, 39.9397,
49.3493

■ 13.9805, 7.4005,
44.4080

■ 45.4586, 48.3508,
50.6531

■ 12.4231, 5.8812,
44.1968

■ 52.2098, 57.8308,
52.1271

■ 11.2527, 4.9084,
44.0707

■ 59.6665, 68.4160,
53.7772

■ 11.0032, 4.7089,
44.0453

■ 67.8491, 80.1410,
55.6091

■ 75.8764, 91.2373,
57.3278

■ 79.4349, 93.0717,
57.4944

Harmonies

Analogous

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



20.7838, 20.7219, 54.2586



25.0608, 20.7219, 46.3949



28.1734, 20.7219, 32.6175

Triad

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



25.0608, 20.7219, 46.3949



22.9493, 20.7219, 7.1935



12.7074, 20.7219, 25.7640

Complementary

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



25.0608, 20.7219, 46.3949



32.8315, 41.1105, 21.8283

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.



13.1159, 20.7219, 14.8209



25.0608, 20.7219, 46.3949



18.6460, 20.7219, 6.4938

Square

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



25.0608, 20.7219, 46.3949



26.8382, 20.7219, 11.1648



15.1565, 20.7219, 8.7186



13.9480, 20.7219, 39.8762

Rectangle

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



25.0608, 20.7219, 46.3949



28.9485, 20.7219, 23.5559



15.1565, 20.7219, 8.7186



12.6599, 20.7219, 21.5977

Sweetspot

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



25.0615, 20.7227, 46.3954



66.9132, 66.5413, 87.6117



26.8615, 30.2681, 48.1430



14.1822, 13.9990, 18.8768



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



25.0615, 20.7227, 46.3954



39.5750, 30.3355, 82.0641



31.4945, 24.0391, 46.6964



8.3506, 8.3893, 10.6855



7.6589, 3.2841, 30.3672



0.3077, 0.1377, 0.9586

Inverse Universe

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



30.7945, 23.9679, 33.5758



51.5735, 37.1387, 54.7169



27.3810, 38.3006, 21.5733



8.7043, 8.5884, 9.9411



15.0796, 7.5494, 10.8451



0.5023, 0.2487, 0.4876

Previews

White Background



This preview shows how the XYZ color 25.0608, 20.7219, 46.3949 looks on a white background.

Color Contrast Check

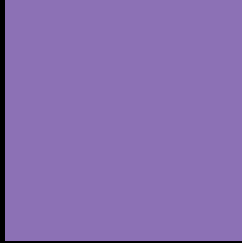
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0608, 20.7219, 46.3949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

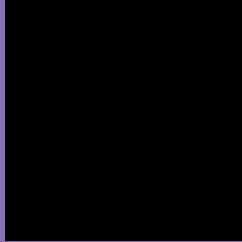
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.0608, 20.7219, 46.3949

Background



This preview shows how black text looks on a background with the XYZ color 25.0608, 20.7219, 46.3949.



This preview shows how white text looks on a background with the XYZ color 25.0608, 20.7219,

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

25.0608, 20.7219, 46.3949

Protanopia

22.0954, 21.0166, 51.6072

Deuteranopia

21.4142, 20.9861, 45.5699



Tritanopia

20.6767, 20.6847, 25.0931

Trichromacy



Original Color

25.0608, 20.7219, 46.3949

Protanomaly

22.8886, 20.7338, 49.8094

Deuteranomaly

22.5468, 20.8216, 46.0106

Tritanomaly

21.9334, 20.4640, 31.6481

Monochromacy



Original Color

25.0608, 20.7219, 46.3949

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.1011, 21.2906, 30.9616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0608, 20.7219, 46.3949 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(140, 113, 181)` looks like.

```
.text, #text, p{  
    color:rgb(140, 113, 181)  
}
```

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(140, 113, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 113, 181) }
```

Border

The CSS property to change the border of an element to XYZ 25.0608, 20.7219, 46.3949 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(140, 113, 181) }
```


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

```
.border{ border-color:rgb(140, 113, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 113, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 113, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 113, 181);  
box-shadow:4px 4px 4px 4px rgb(140, 113,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0608, 20.7219, 46.3949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 113, 181) }
```

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

```
.background{ background-color: rgb(140,  
113, 181) }
```

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