

Converting Colors

XYZ(25.8527, 20.6830, 44.7432)

Have a look what the booklet for
XYZ(25.8527, 20.6830, 44.7432)
contains.

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Color

**XYZ(25.8246, 20.6621,
44.7466)**

Conversions

Conversions Part 1

Format	Color
Hex	946EB2
RGB	148, 110, 178
RGB Percent	58%, 43%, 70%
CMY	0.4196, 0.5686, 0.3020
CMYK	0.17, 0.38, 0.00, 0.30
HSL	274°, 31%, 56%
HSV	274°, 38%, 70%
XYZ	25.8246, 20.6621, 44.7466
YIQ	129.1140, 0.8200, 29.2040

Conversions

Conversions Part 2

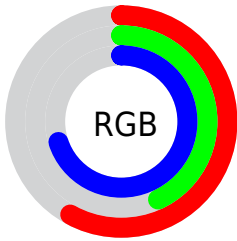
Format	Color
R_{YB}	148, 110, 178
Decimal	9727666
CIE _{Lab}	52.58, 28.25, -30.46
CIE _{LCh}	53, 41.542, 312.846
Yxy	20.6621, 0.2831, 0.2265
Android (android.graphics.Color)	4287917746 (0xFF946EB2)
YUV	129.1140, 24.1008, 16.5630
Hunter-Lab	45.4556, 21.8636, -26.5463

Details

The XYZ color **25.8246, 20.6621, 44.7466** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **29.5506, 38.5425, 20.6346**, and the grayscale version is **20.8248, 21.9093, 23.8592**.

A 20% lighter version of the original color is **52.4002, 44.4777, 83.6652**, and **10.1943, 7.3050, 20.2747** is the 20% darker color. If you saturate the color by 10%, you get **22.7211, 16.4923, 44.1057**, and if you desaturate by 10%, it is **29.4117, 25.6548, 45.5216**.

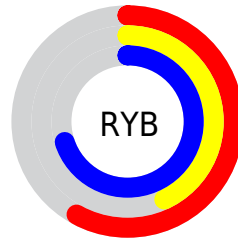
Distribution



Red (58%)

Green (43%)

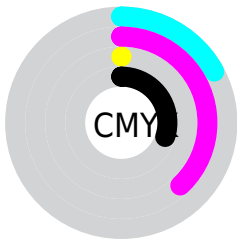
Blue (70%)



Red (58%)

Yellow (43%)

Blue (70%)

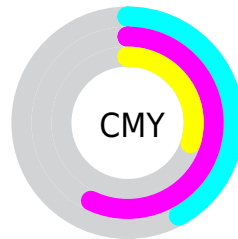


Cyan (17%)

Magenta (38%)

Yellow (0%)

Black (30%)



Cyan (42%)

Magenta (57%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8246, 20.6621, 44.7466 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 25.8246, 20.6621, 44.7466 by changing the saturation by 10% instead.

■ 25.8246, 20.6621,
44.7466

■ 25.8246, 20.6621,
44.7466

274.1925,
255.4773, 381.8765

■ 16.8245, 12.8772,
30.9164

■ 52.4252, 44.5245,
83.6544

■ 10.2039, 7.3441,
20.2773

■ 70.7563, 61.3708,
109.5692

■ 5.5977, 3.6782,
12.4107

■ 92.9285, 82.0064,
140.3491

■ 2.6403, 1.4952,
6.8981

■ 119.3071,
106.8157, 176.4128

■ 0.9666, 0.2854,
3.3210

150.2574,
136.1830, 218.1789

■ 0.0000, 0.0000,
1.2608

186.1449,

■ 0.0000, 0.0000,

170.4928, 266.0658

0.0293

227.3348,
210.1294, 320.4922

■ 0.0000, 0.0000,
0.0000

■ 25.8246, 20.6621,
44.7466

■ 25.8246, 20.6621,
44.7466

■ 22.7211, 16.4923,
44.1057

■ 29.4117, 25.6548,
45.5216

■ 20.0739, 13.0954,
43.5895

■ 33.5033, 31.5114,
46.4363

■ 17.8560, 10.4197,
43.1899

■ 38.1218, 38.2731,
47.4981

■ 16.0363, 8.4061,
42.8972

■ 43.2873, 45.9778,
48.7130

■ 14.5786, 6.9854,
42.6998

■ 49.0189, 54.6611,
50.0869

■ 13.4247, 6.0440,
42.5789

■ 55.3346, 64.3567,
51.6255

■ 13.2333, 5.8937,
42.5600

■ 62.2518, 75.0967,
53.3340

■ 69.7870, 86.9119,
55.2174

■ 72.9125, 89.7445,
55.5994

Harmonies

Analogous

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



21.5378, 20.6621, 54.4409



25.8246, 20.6621, 44.7466



28.6603, 20.6621, 30.2411

Triad

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



25.8246, 20.6621, 44.7466



22.1834, 20.6621, 6.5948



12.6216, 20.6621, 28.1924

Complementary

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



25.8246, 20.6621, 44.7466



29.5506, 38.5425, 20.6346

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.



12.7420, 20.6621, 16.2034



25.8246, 20.6621, 44.7466



17.8547, 20.6621, 6.3933

Square

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



25.8246, 20.6621, 44.7466



26.3564, 20.6621, 9.9178



14.5291, 20.6621, 9.2056



14.1721, 20.6621, 42.7829

Rectangle

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



25.8246, 20.6621, 44.7466



29.1235, 20.6621, 21.3404



14.5291, 20.6621, 9.2056



12.4755, 20.6621, 23.6957

Sweetspot

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



25.8253, 20.6629, 44.7471



66.5249, 65.5637, 85.5300



23.9330, 25.4621, 45.7731



14.4868, 14.1560, 18.8911



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.



25.8253, 20.6629, 44.7471



41.9427, 30.8832, 80.1316



31.6352, 23.6970, 43.2588



8.4810, 8.4565, 10.6916



9.5417, 4.2547, 30.4553



0.3659, 0.1677, 0.9613

Inverse Universe

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



28.6702, 22.5110, 27.6455



48.1522, 34.9032, 43.4299



25.3547, 36.3576, 21.4233



8.6469, 8.5655, 9.6391



14.1650, 7.1836, 6.0290



0.4752, 0.2378, 0.3451

Previews

White Background



This preview shows how the XYZ color 25.8246, 20.6621, 44.7466 looks on a white background.

Color Contrast Check

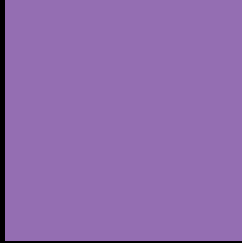
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8246, 20.6621, 44.7466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

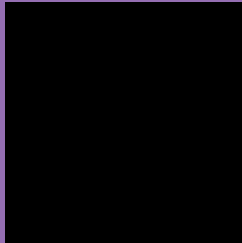
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.8246, 20.6621, 44.7466

Background



This preview shows how black text looks on a background with the XYZ color 25.8246, 20.6621, 44.7466.



This preview shows how white text looks on a background with the XYZ color 25.8246, 20.6621,

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

25.8246, 20.6621, 44.7466

Protanopia

21.9865, 20.9730, 51.0335

Deuteranopia

21.2522, 20.7617, 43.4447



Tritanopia

21.5610, 20.6201, 23.9628

Trichromacy



Original Color

25.8246, 20.6621, 44.7466

Protanomaly

22.9615, 20.6184, 48.6685

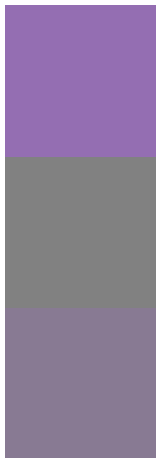
Deuteranomaly

22.6017, 20.5392, 43.8475

Tritanomaly

22.8395, 20.4370, 30.3447

Monochromacy



Original Color

25.8246, 20.6621, 44.7466

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.3793, 21.2599, 30.5278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8246, 20.6621, 44.7466 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(148, 110, 178)` looks like.

```
.text, #text, p{  
    color:rgb(148, 110, 178)  
}
```

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(148, 110, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 110, 178) }
```

Border

The CSS property to change the border of an element to XYZ 25.8246, 20.6621, 44.7466 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(148, 110, 178) }
```


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

```
.border{ border-color:rgb(148, 110, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 110, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 110, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 110, 178);  
box-shadow:4px 4px 4px 4px rgb(148, 110,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8246, 20.6621, 44.7466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 110, 178) }
```

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

```
.background{ background-color: rgb(148,  
110, 178) }
```

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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