

Converting Colors

XYZ(25.4539, 22.1095, 44.9038)

Have a look what the booklet for
XYZ(25.4539, 22.1095, 44.9038)
contains.

XYZ(25.5676, 22.2227, 45.0613)	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(25.5676, 22.2227,
45.0613)**

Conversions

Conversions Part 1

Format	Color
Hex	8C78B2
RGB	140, 120, 178
RGB Percent	55%, 47%, 70%
CMY	0.4510, 0.5294, 0.3020
CMYK	0.21, 0.33, 0.00, 0.30
HSL	261°, 27%, 58%
HSV	261°, 33%, 70%
XYZ	25.5676, 22.2227, 45.0613
YIQ	132.5920, -6.6980, 22.2780

Conversions

Conversions Part 2

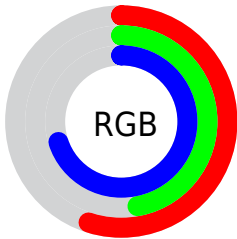
Format	Color
R_{YB}	140, 120, 178
Decimal	9205938
CIE _{Lab}	54.26, 19.91, -27.90
CIE _{LCh}	54, 34.276, 305.512
Yxy	22.2227, 0.2754, 0.2393
Android (android.graphics.Color)	4287396018 (0xFF8C78B2)
YUV	132.5920, 22.3861, 6.4968
Hunter-Lab	47.1410, 14.3155, -23.6757

Details

The XYZ color **25.5676, 22.2227, 45.0613** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.4115, 40.4664, 23.8199**, and the grayscale version is **22.0699, 23.2193, 25.2858**.

A 20% lighter version of the original color is **51.8519, 46.9149, 84.1645**, and **10.0747, 8.1110, 20.4366** is the 20% darker color. If you saturate the color by 10%, you get **21.7606, 17.3726, 44.3262**, and if you desaturate by 10%, it is **29.9823, 27.9778, 45.9398**.

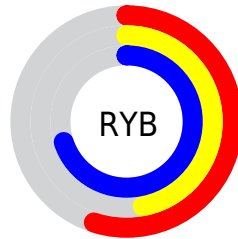
Distribution



Red (55%)

Green (47%)

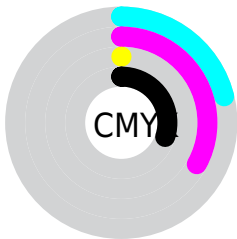
Blue (70%)



Red (55%)

Yellow (47%)

Blue (70%)

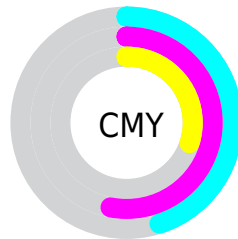


Cyan (21%)

Magenta (33%)

Yellow (0%)

Black (30%)



Cyan (45%)

Magenta (53%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5676, 22.2227, 45.0613 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 25.5676, 22.2227, 45.0613 by changing the saturation by 10% instead.

■ 25.5676, 22.2227,
45.0613

■ 25.5676, 22.2227,
45.0613

272.9487,
263.7071, 383.1891

■ 16.6314, 14.0206,
31.1624

■ 52.0128, 47.1138,
84.1318

■ 10.0657, 8.1350,
20.4631

■ 70.2526, 64.5716,
110.1405

■ 5.5052, 4.1815,
12.5447

■ 92.3243, 85.8835,
141.0229

■ 2.5844, 1.7756,
6.9887

118.5932,
111.4337, 177.1975

■ 0.9380, 0.4719,
3.3767

149.4248,
141.6068, 219.0829

■ 0.0000, 0.0000,
1.2901

185.1843,

■ 0.0000, 0.0000,

176.7872, 267.0976

0.0536

226.2372,
217.3591, 321.6602

■ 0.0000, 0.0000,
0.0000

■ 25.5676, 22.2227,
45.0613

■ 25.5676, 22.2227,
45.0613

■ 21.7606, 17.3726,
44.3262

■ 29.9823, 27.9778,
45.9398

■ 18.5306, 13.3774,
43.7252

■ 35.0290, 34.6792,
46.9673

■ 15.8472, 10.1858,
43.2506

■ 40.7334, 42.3688,
48.1509

■ 13.6762, 7.7402,
42.8930

■ 47.1191, 51.0852,
49.4968

■ 11.9790, 5.9746,
42.6417

■ 54.2082, 60.8650,
51.0109

■ 10.7105, 4.8107,
42.4839

■ 62.0221, 71.7426,
52.6986

■ 9.9840, 4.2186,
42.4079

■ 70.5812, 83.7514,
54.5654

■ 77.4976, 92.1082,
55.8139

■ 81.4382, 94.1396,
55.9983

Harmonies

Analogous

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



21.8183, 22.2227, 50.9387



25.5676, 22.2227, 45.0613



28.3437, 22.2227, 33.7477

Triad

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



25.5676, 22.2227, 45.0613



24.2363, 22.2227, 9.9052



14.7576, 22.2227, 26.2236

Complementary

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



25.5676, 22.2227, 45.0613



33.4115, 40.4664, 23.8199

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.



15.2447, 22.2227, 16.6427



25.5676, 22.2227, 45.0613



20.4406, 22.2227, 8.9701

Square

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



25.5676, 22.2227, 45.0613



27.5139, 22.2227, 14.1198



17.2241, 22.2227, 11.0331



15.8057, 22.2227, 38.1953

Rectangle

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



25.5676, 22.2227, 45.0613



29.1086, 22.2227, 25.8398



17.2241, 22.2227, 11.0331



14.7488, 22.2227, 22.6248

Sweetspot

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



25.5684, 22.2236, 45.0618



65.9048, 66.0822, 85.6628



28.1231, 31.8899, 46.7929



14.2949, 14.2296, 18.9154



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.



25.5684, 22.2236, 45.0618



41.3590, 33.8982, 80.7443



30.9724, 25.0095, 45.3147



8.3091, 8.3679, 10.6836



7.2054, 3.0503, 30.3460



0.2910, 0.1291, 0.9578

Inverse Universe

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



31.2486, 25.3673, 35.5975



53.4253, 40.5863, 60.1793



28.4661, 37.9169, 23.5885



8.7230, 8.5959, 10.0400



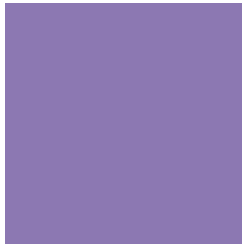
15.4488, 7.6971, 12.7890



0.5122, 0.2526, 0.5401

Previews

White Background



This preview shows how the XYZ color 25.5676, 22.2227, 45.0613 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 25.5676, 22.2227, 45.0613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

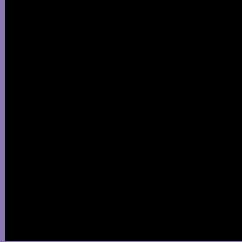
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.5676, 22.2227, 45.0613

Background



This preview shows how black text looks on a background with the XYZ color 25.5676, 22.2227, 45.0613.



This preview shows how white text looks on a background with the XYZ color 25.5676, 22.2227,

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

25.5676, 22.2227, 45.0613

Protanopia

23.0530, 22.3438, 48.4452

Deuteranopia

22.7581, 22.2859, 44.1764



Tritanopia

21.9795, 22.2599, 27.1829

Trichromacy



Original Color

25.5676, 22.2227, 45.0613

Protanomaly

23.8032, 22.1822, 47.2830

Deuteranomaly

23.7269, 22.2015, 44.6298

Tritanomaly

23.2367, 22.2014, 33.1976

Monochromacy



Original Color

25.5676, 22.2227, 45.0613

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

23.2973, 22.8425, 31.6149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5676, 22.2227, 45.0613 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, 120, 178)` looks like.

```
.text, #text, p{  
    color:rgb(140, 120, 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(140, 120, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 120, 178) }
```

Border

The CSS property to change the border of an element to XYZ 25.5676, 22.2227, 45.0613 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, 120, 178) }
```


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

```
.border{ border-color:rgb(140, 120, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 120, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 120, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 120, 178);  
box-shadow:4px 4px 4px 4px rgb(140, 120,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5676, 22.2227, 45.0613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 120, 178) }
```

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

```
.background{ background-color: rgb(140,  
120, 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](#).

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