

Converting Colors

XYZ(22.6702, 20.2233, 47.4613)

Have a look what the booklet for
XYZ(22.6702, 20.2233, 47.4613)
contains.

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Color

**XYZ(22.6543, 20.1345,
47.4921)**

Conversions

Conversions Part 1

Format	Color
Hex	7875B7
RGB	120, 117, 183
RGB Percent	47%, 46%, 72%
CMY	0.5294, 0.5412, 0.2824
CMYK	0.34, 0.36, 0.00, 0.28
HSL	243°, 31%, 59%
HSV	243°, 36%, 72%
XYZ	22.6543, 20.1345, 47.4921
YIQ	125.4210, -19.3980, 21.1620

Conversions

Conversions Part 2

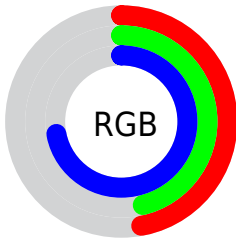
Format	Color
R_{YB}	120, 117, 183
Decimal	7894455
CIE _{Lab}	51.99, 16.95, -34.45
CIE _{LCh}	52, 38.399, 296.200
Yxy	20.1345, 0.2509, 0.2230
Android (android.graphics.Color)	4286084535 (0xFF7875B7)
YUV	125.4210, 28.3864, -4.7542
Hunter-Lab	44.8715, 11.5943, -31.3427

Details

The XYZ color **22.6543, 20.1345, 47.4921** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **38.9668, 44.8549, 23.4343**, and the grayscale version is **19.5474, 20.5654, 22.3957**.

A 20% lighter version of the original color is **47.2235, 43.6066, 87.5893**, and **8.5413, 7.0969, 22.0388** is the 20% darker color. If you saturate the color by 10%, you get **18.5213, 15.1424, 46.7467**, and if you desaturate by 10%, it is **27.6474, 26.1895, 48.3980**.

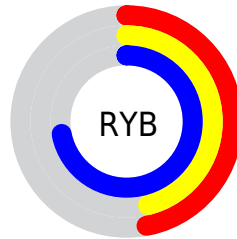
Distribution



Red (47%)

Green (46%)

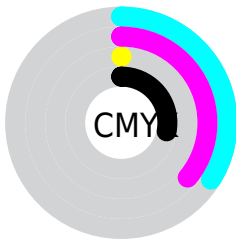
Blue (72%)



Red (47%)

Yellow (46%)

Blue (72%)

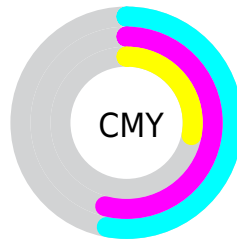


Cyan (34%)

Magenta (36%)

Yellow (0%)

Black (28%)



Cyan (53%)

Magenta (54%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6543, 20.1345, 47.4921 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 22.6543, 20.1345, 47.4921 by changing the saturation by 10% instead.

■ 22.6543, 20.1345,
47.4921

■ 22.6543, 20.1345,
47.4921

258.5130,
252.6423, 393.2259

■ 14.4577, 12.4929,
33.0677

■ 47.2959, 43.6426,
87.8054

■ 8.5235, 7.0803,
21.9068

■ 64.4717, 60.2778,
114.5313

■ 4.4863, 3.5123,
13.5908

■ 85.3712, 80.6796,
146.1949

■ 1.9808, 1.4047,
7.7011

110.3599,
105.2325, 183.2146

■ 0.6231, 0.2202,
3.8193

139.8030,
134.3208, 226.0091

■ 0.0000, 0.0000,
1.5267

174.0661,

■ 0.0000, 0.0000,

168.3290, 274.9967

0.2377

213.5143,
207.6413, 330.5961

■ 0.0000, 0.0000,
0.0000

■ 22.6543, 20.1345,
47.4921

■ 22.6543, 20.1345,
47.4921

■ 18.5213, 15.1424,
46.7467

■ 27.6474, 26.1895,
48.3980

■ 15.1979, 11.1497,
46.1512

■ 33.5432, 33.3615,
49.4716

■ 12.6316, 8.0899,
45.6959

■ 40.3839, 41.7035,
50.7212

■ 10.7625, 5.8870,
45.3692

■ 48.2085, 51.2645,
52.1543

■ 9.5223, 4.4536,
45.1579

■ 57.0538, 62.0908,
53.7778

■ 8.8257, 3.6785,
45.0450

■ 66.9546, 74.2261,
55.5983

■ 8.6515, 3.4726,
45.0144

■ 77.9442, 87.7122,
57.6222

■ 85.5473, 96.1989,
58.8596

Harmonies

Analogous

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



18.6430, 20.1345, 51.2116



22.6543, 20.1345, 47.4921



26.0937, 20.1345, 36.2248

Triad

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



22.6543, 20.1345, 47.4921



23.6345, 20.1345, 8.4513



12.5698, 20.1345, 20.5259

Complementary

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



22.6543, 20.1345, 47.4921



38.9668, 44.8549, 23.4343

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.



13.5420, 20.1345, 11.9894



22.6543, 20.1345, 47.4921



19.6402, 20.1345, 6.6870

Square

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



22.6543, 20.1345, 47.4921



26.7116, 20.1345, 13.7206



16.0044, 20.1345, 7.7173



13.1499, 20.1345, 32.8767

Rectangle

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



22.6543, 20.1345, 47.4921



27.4117, 20.1345, 27.4742



16.0044, 20.1345, 7.7173



12.7220, 20.1345, 17.1750

Sweetspot

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



22.6550, 20.1353, 47.4926



65.8415, 66.7775, 89.6548



32.3671, 40.1677, 50.8474



14.1817, 14.3093, 19.7361



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



22.6550, 20.1353, 47.4926



34.7802, 29.0594, 84.0116



27.8954, 22.8368, 47.7378



8.5579, 8.7384, 11.3151



6.0513, 2.4307, 31.4033



0.2262, 0.0923, 1.1076

Inverse Universe

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



34.1283, 26.0856, 46.4159



58.3021, 41.2627, 81.6178



32.3215, 41.4291, 23.1233



9.3628, 9.1555, 11.2580



19.0064, 9.1763, 28.9844



0.6755, 0.3257, 1.0505

Previews

White Background



This preview shows how the XYZ color 22.6543, 20.1345, 47.4921 looks on a white background.

Color Contrast Check

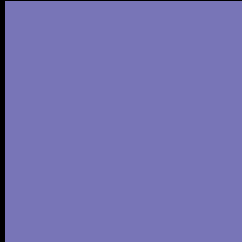
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6543, 20.1345, 47.4921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

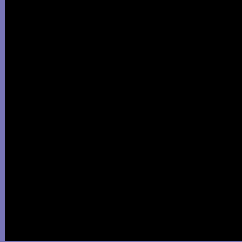
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.6543, 20.1345, 47.4921

Background



This preview shows how black text looks on a background with the XYZ color 22.6543, 20.1345, 47.4921.



This preview shows how white text looks on a background with the XYZ color 22.6543, 20.1345,

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

22.6543, 20.1345, 47.4921

Protanopia

21.2960, 20.2736, 49.8045

Deuteranopia

20.6720, 20.1960, 47.0646



Tritanopia

18.5351, 20.2999, 26.6083

Trichromacy



Original Color

22.6543, 20.1345, 47.4921

Protanomaly

21.7637, 20.1663, 49.1998

Deuteranomaly

21.3443, 20.1779, 47.0257

Tritanomaly

19.8551, 20.0764, 33.4005

Monochromacy



Original Color

22.6543, 20.1345, 47.4921

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.3162, 20.2053, 30.0234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6543, 20.1345, 47.4921 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(120, 117, 183)` looks like.

```
.text, #text, p{  
    color:rgb(120, 117, 183)  
}
```

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(120, 117, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 117, 183) }
```

Border

The CSS property to change the border of an element to XYZ 22.6543, 20.1345, 47.4921 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(120, 117, 183) }
```


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

```
.border{ border-color:rgb(120, 117, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 117, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 117, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 117, 183);  
box-shadow:4px 4px 4px 4px rgb(120, 117,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6543, 20.1345, 47.4921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 117, 183) }
```

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

```
.background{ background-color: rgb(120,  
117, 183) }
```

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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