

Converting Colors

XYZ(25.6970, 20.7754, 53.5231)

Have a look what the booklet for
XYZ(25.6970, 20.7754, 53.5231)
contains.

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Color

**XYZ(25.6851, 20.7176,
53.6841)**

Conversions

Conversions Part 1

Format	Color
Hex	8870C2
RGB	136, 112, 194
RGB Percent	53%, 44%, 76%
CMY	0.4667, 0.5608, 0.2392
CMYK	0.30, 0.42, 0.00, 0.24
HSL	258°, 40%, 60%
HSV	258°, 42%, 76%
XYZ	25.6851, 20.7176, 53.6841
YIQ	128.5240, -12.0180, 30.5900

Conversions

Conversions Part 2

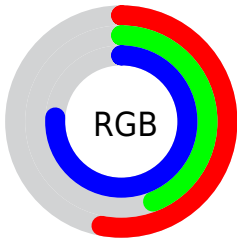
Format	Color
RYB	136, 112, 194
Decimal	8941762
CIELab	52.64, 27.40, -39.66
CIELCh	53, 48.203, 304.643
Yxy	20.7176, 0.2566, 0.2070
Android (android.graphics.Color)	4287131842 (0xFF8870C2)
YUV	128.5240, 32.2797, 6.5565
Hunter-Lab	45.5166, 21.0739, -38.0674

Details

The XYZ color **25.6851, 20.7176, 53.6841** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **38.7944, 48.2999, 22.6081**, and the grayscale version is **20.5947, 21.6672, 23.5956**.

A 20% lighter version of the original color is **52.1739, 44.5923, 97.1241**, and **10.1343, 7.3992, 25.7050** is the 20% darker color. If you saturate the color by 10%, you get **21.6831, 15.8122, 52.9486**, and if you desaturate by 10%, it is **30.4352, 26.6939, 54.5877**.

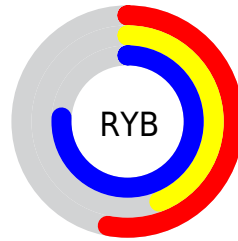
Distribution



Red (53%)

Green (44%)

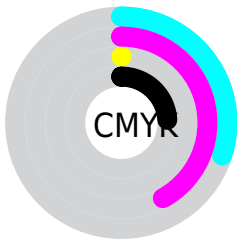
Blue (76%)



Red (53%)

Yellow (44%)

Blue (76%)

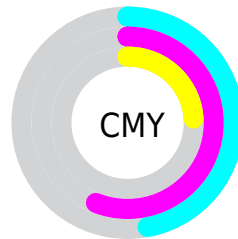


Cyan (30%)

Magenta (42%)

Yellow (0%)

Black (24%)



Cyan (47%)

Magenta (56%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.6851, 20.7176, 53.6841 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 25.6851, 20.7176, 53.6841 by changing the saturation by 10% instead.

■ 25.6851, 20.7176,
53.6841

■ 25.6851, 20.7176,
53.6841

273.5180,
255.7739, 418.0447

■ 16.7197, 12.9177,
37.9577

■ 52.2014, 44.6171,
97.0620

■ 10.1289, 7.3719,
25.6483

■ 70.4830, 61.4855,
125.5505

■ 5.5474, 3.6958,
16.3373

■ 92.6007, 82.1455,
159.1302

■ 2.6099, 1.5049,
9.6062

■ 118.9198,
106.9815, 198.2196

■ 0.9510, 0.2922,
5.0365

149.8058,
136.3780, 243.2372

■ 0.0000, 0.0000,
2.2096

185.6239,

■ 0.0000, 0.0000,

170.7193, 294.6016

0.6799

226.7395,
210.3898, 352.7312

■ 0.0000, 0.0000,
0.0000

■ 25.6851, 20.7176,
53.6841

■ 25.6851, 20.7176,
53.6841

■ 21.6831, 15.8122,
52.9486

■ 30.4352, 26.6939,
54.5877

■ 18.3861, 11.9101,
52.3692

■ 35.9683, 33.7985,
55.6674

■ 15.7501, 8.9392,
51.9346

■ 42.3202, 42.0874,
56.9325

■ 13.7245, 6.8167,
51.6317

■ 49.5234, 51.6122,
58.3913

■ 12.2503, 5.4440,
51.4445

■ 57.6087, 62.4213,
60.0515

■ 11.4126, 4.7585,
51.3563

■ 66.6053, 74.5607,
61.9205

■ 76.5412, 88.0738,
64.0051

■ 83.4256, 94.9676,
64.9729

■ 86.7377, 96.6751,
65.1279

Harmonies

Analogous

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



20.4808, 20.7176, 62.6956



25.6851, 20.7176, 53.6841



29.7323, 20.7176, 36.5418

Triad

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



25.6851, 20.7176, 53.6841



24.1077, 20.7176, 5.6925



11.5718, 20.7176, 24.8634

Complementary

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



25.6851, 20.7176, 53.6841



38.7944, 48.2999, 22.6081

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.



12.2117, 20.7176, 12.6925



25.6851, 20.7176, 53.6841



18.9227, 20.7176, 4.7283

Square

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



25.6851, 20.7176, 53.6841



28.7187, 20.7176, 10.2367



14.7113, 20.7176, 6.6307



12.7870, 20.7176, 42.1354

Rectangle

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



25.6851, 20.7176, 53.6841



30.9127, 20.7176, 25.2307



14.7113, 20.7176, 6.6307



11.5791, 20.7176, 20.0809

Sweetspot

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



25.6859, 20.7184, 53.6846



75.5275, 74.7471, 102.9167



30.9392, 36.3782, 56.4303



15.9507, 15.5970, 22.4198



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.



25.6859, 20.7184, 53.6846



39.5878, 29.0143, 95.9836



33.4897, 24.7414, 54.0498



9.7992, 9.8876, 12.6769



7.5754, 3.1657, 33.7684



0.3981, 0.1733, 1.4623

Inverse Universe

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



35.2985, 25.9606, 41.1809



59.7139, 40.0142, 68.7088



31.3872, 44.4813, 22.2614



10.3676, 10.1956, 12.0262



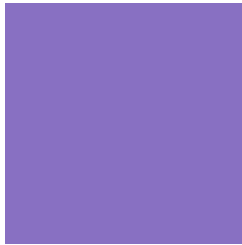
17.6437, 8.7472, 16.5676



0.7912, 0.3895, 0.8678

Previews

White Background



This preview shows how the XYZ color 25.6851, 20.7176, 53.6841 looks on a white background.

Color Contrast Check

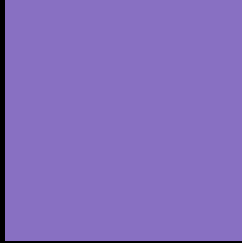
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6851, 20.7176, 53.6841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

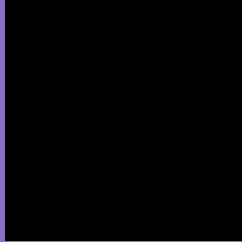
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.6851, 20.7176, 53.6841

Background



This preview shows how black text looks on a background with the XYZ color 25.6851, 20.7176, 53.6841.



This preview shows how white text looks on a background with the XYZ color 25.6851, 20.7176,

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

25.6851, 20.7176, 53.6841

Protanopia

22.5981, 20.9052, 59.9708

Deuteranopia

21.3537, 20.8085, 52.1812



Tritanopia

20.0190, 20.7016, 25.8624

Trichromacy



Original Color

25.6851, 20.7176, 53.6841

Protanomaly

23.3288, 20.6150, 57.3931

Deuteranomaly

22.5376, 20.4899, 52.6363

Tritanomaly

21.6193, 20.4224, 34.2550

Monochromacy



Original Color

25.6851, 20.7176, 53.6841

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.3484, 21.3714, 33.0842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6851, 20.7176, 53.6841 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(136, 112, 194)` looks like.

```
.text, #text, p{  
    color:rgb(136, 112, 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(136, 112, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 112, 194) }
```

Border

The CSS property to change the border of an element to XYZ 25.6851, 20.7176, 53.6841 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(136, 112, 194) }
```


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

```
.border{ border-color:rgb(136, 112, 194) }
```

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

Here you see how a box with a 4 pixel rgb(136, 112, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 112, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 112, 194);  
box-shadow:4px 4px 4px 4px rgb(136, 112,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 25.6851, 20.7176, 53.6841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 112, 194) }
```

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

```
.background{ background-color: rgb(136,  
112, 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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