

Converting Colors

XYZ(22.3875, 20.4737, 33.7782)

Have a look what the booklet for
XYZ(22.3875, 20.4737, 33.7782)
contains.

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Color

**XYZ(22.3865, 20.4743,
33.7824)**

Conversions

Conversions Part 1

Format	Color
Hex	87769B
RGB	135, 118, 155
RGB Percent	53%, 46%, 61%
CMY	0.4706, 0.5372, 0.3922
CMYK	0.13, 0.24, 0.00, 0.39
HSL	268°, 16%, 54%
HSV	268°, 24%, 61%
XYZ	22.3865, 20.4743, 33.7824
YIQ	127.3010, -1.7450, 15.1110

Conversions

Conversions Part 2

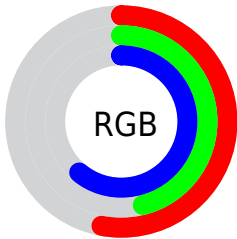
Format	Color
R_{YB}	135, 118, 155
Decimal	8877723
CIE _{Lab}	52.37, 14.09, -17.52
CIE _{LCh}	52, 22.480, 308.804
Yxy	20.4743, 0.2921, 0.2671
Android (android.graphics.Color)	4287067803 (0xFF87769B)
YUV	127.3010, 13.6556, 6.7520
Hunter-Lab	45.2485, 9.1271, -12.5917

Details

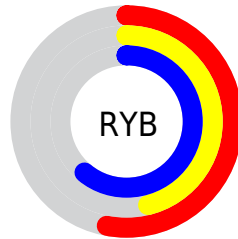
The XYZ color **22.3865, 20.4743, 33.7824** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.4733, 30.1545, 21.6183**, and the grayscale version is **20.2317, 21.2853, 23.1797**.

A 20% lighter version of the original color is **46.9938, 44.2214, 67.0315**, and **8.4352, 7.3111, 14.0633** is the 20% darker color. If you saturate the color by 10%, you get **19.4137, 16.4516, 33.1629**, and if you desaturate by 10%, it is **25.7666, 25.1533, 34.5077**.

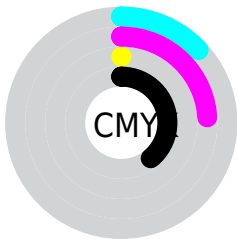
Distribution



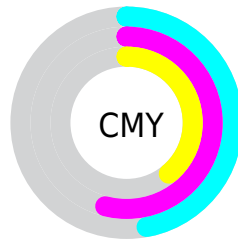
- Red (53%)
- Green (46%)
- Blue (61%)



- Red (53%)
- Yellow (46%)
- Blue (61%)



- Cyan (13%)
- Magenta (24%)
- Yellow (0%)
- Black (39%)



- Cyan (47%)
- Magenta (54%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3865, 20.4743, 33.7824 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 22.3865, 20.4743, 33.7824 by changing the saturation by 10% instead.

■ 22.3865, 20.4743,
33.7824

■ 22.3865, 20.4743,
33.7824

257.1527,
254.4713, 333.9002

■ 14.2594, 12.7403,
22.4505

■ 46.8581, 44.2110,
66.7252

■ 8.3842, 7.2499,
13.9868

■ 63.9332, 60.9824,
89.1731

■ 4.3956, 3.6189,
7.9728

■ 84.7218, 81.5351,
116.1634

■ 1.9283, 1.4628,
3.9900

109.5891,
106.2535, 148.1147

■ 0.5932, 0.2623,
1.6199

138.9004,
135.5219, 185.4455

■ 0.0000, 0.0000,
0.3049

173.0213,

■ 0.0000, 0.0000,

169.7247, 228.5743

0.0000

212.3169,
209.2464, 277.9197

■ 22.3865, 20.4743,
33.7824

■ 22.3865, 20.4743,
33.7824

■ 19.4137, 16.4516,
33.1629

■ 25.7666, 25.1533,
34.5077

■ 16.8293, 13.0521,
32.6430

■ 29.5682, 30.5146,
35.3422

■ 14.6155, 10.2437,
32.2176

■ 33.8068, 36.5857,
36.2906

■ 12.7523, 7.9901,
31.8808

■ 38.4969, 43.3920,
37.3572

■ 11.2175, 6.2511,
31.6260

■ 43.6520, 50.9574,
38.5458

9.9860, 4.9806,
31.4457

49.2851, 59.3051,
39.8601

9.0281, 4.1238,
31.3308

55.4088, 68.4568,
41.3038

8.5308, 3.7143,
31.2780

62.0350, 78.4337,
42.8803

68.3714, 87.6483,
44.3250

Harmonies

Analogous

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



20.1498, 20.4743, 37.4213



22.3865, 20.4743, 33.7824



23.9146, 20.4743, 27.2295

Triad

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



22.3865, 20.4743, 33.7824



21.1151, 20.4743, 12.3907



15.3827, 20.4743, 24.3027

Complementary

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



22.3865, 20.4743, 33.7824



25.4733, 30.1545, 21.6183

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.



15.5964, 20.4743, 17.9924



22.3865, 20.4743, 33.7824



18.7865, 20.4743, 11.9153

Square

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



22.3865, 20.4743, 33.7824



23.1410, 20.4743, 15.2176



16.8007, 20.4743, 13.7578



16.1920, 20.4743, 31.2788

Rectangle

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



22.3865, 20.4743, 33.7824



24.2608, 20.4743, 22.5602



16.8007, 20.4743, 13.7578



15.3387, 20.4743, 22.0280

Sweetspot

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



22.3871, 20.4752, 33.7829



50.6439, 51.3735, 62.7831



22.5271, 24.4964, 34.5517



11.3795, 11.5102, 14.1923



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.3871, 20.4752, 33.7829



36.9722, 32.4237, 59.8460



25.5606, 22.1111, 33.9314



6.1406, 6.1584, 7.7940



6.8950, 3.0055, 25.1244



0.1444, 0.0662, 0.3775

Inverse Universe

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



24.5841, 21.7612, 26.9502



41.7349, 35.2135, 44.9535



22.7170, 28.7336, 21.4893



6.3414, 6.2757, 7.1779



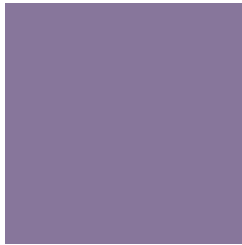
12.1554, 6.1164, 7.3433



0.2001, 0.0988, 0.2064

Previews

White Background



This preview shows how the XYZ color 22.3865, 20.4743, 33.7824 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 22.3865, 20.4743, 33.7824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

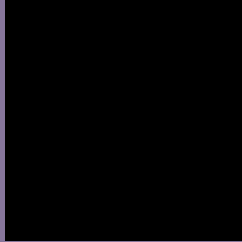
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.3865, 20.4743, 33.7824

Background



This preview shows how black text looks on a background with the XYZ color 22.3865, 20.4743, 33.7824.



This preview shows how white text looks on a background with the XYZ color 22.3865, 20.4743,

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

22.3865, 20.4743, 33.7824

Protanopia

20.6681, 20.6315, 35.6938

Deuteranopia

20.8183, 20.3897, 33.4102



Tritanopia

20.4845, 20.4103, 24.6897

Trichromacy



Original Color

22.3865, 20.4743, 33.7824

Protanomaly

21.2995, 20.5986, 35.2011

Deuteranomaly

21.4225, 20.5199, 33.4035

Tritanomaly

21.0867, 20.4737, 27.6514

Monochromacy



Original Color

22.3865, 20.4743, 33.7824

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.9289, 20.9673, 26.6109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3865, 20.4743, 33.7824 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(135, 118, 155)` looks like.

```
.text, #text, p{  
    color:rgb(135, 118, 155)  
}
```

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(135, 118, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 118, 155) }
```

Border

The CSS property to change the border of an element to XYZ 22.3865, 20.4743, 33.7824 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(135, 118, 155) }
```


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

```
.border{ border-color:rgb(135, 118, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 118, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 118, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 118, 155);  
box-shadow:4px 4px 4px 4px rgb(135, 118,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3865, 20.4743, 33.7824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 118, 155) }
```

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

```
.background{ background-color: rgb(135,  
118, 155) }
```

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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