

Converting Colors

XYZ(20.0435, 19.8987, 50.4698)

Have a look what the booklet for
XYZ(20.0435, 19.8987, 50.4698)
contains.

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Color

**XYZ(20.1225, 20.0246,
50.3815)**

Conversions

Conversions Part 1

Format	Color
Hex	567CBC
RGB	86, 124, 188
RGB Percent	34%, 49%, 74%
CMY	0.6627, 0.5137, 0.2627
CMYK	0.54, 0.34, 0.00, 0.26
HSL	218°, 43%, 54%
HSV	218°, 54%, 74%
XYZ	20.1225, 20.0246, 50.3815
YIQ	119.9340, -43.1920, 11.8480

Conversions

Conversions Part 2

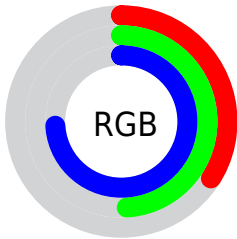
Format	Color
R _Y B	86, 114, 188
Decimal	5668028
CIE Lab	51.87, 5.48, -37.68
CIE LCh	52, 38.079, 278.273
Yxy	20.0246, 0.2223, 0.2212
Android (android.graphics.Color)	4283858108 (0xFF567CBC)
YUV	119.9340, 33.5565, -29.7601
Hunter-Lab	44.7489, 1.9567, -35.4288

Details

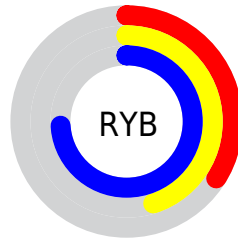
The XYZ color **20.1225, 20.0246, 50.3815** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **33.3260, 33.1772, 13.4525**, and the grayscale version is **17.7383, 18.6621, 20.3230**.

A 20% lighter version of the original color is **43.1621, 43.3940, 92.4872**, and **7.2184, 7.0607, 23.5367** is the 20% darker color. If you saturate the color by 10%, you get **17.2228, 16.4652, 49.8477**, and if you desaturate by 10%, it is **23.6557, 24.1739, 50.9966**.

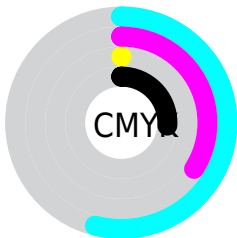
Distribution



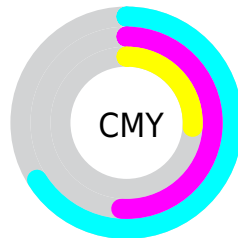
- Red (34%)
- Green (49%)
- Blue (74%)



- Red (34%)
- Yellow (45%)
- Blue (74%)



- Cyan (54%)
- Magenta (34%)
- Yellow (0%)
- Black (26%)



- Cyan (66%)
- Magenta (51%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1225, 20.0246, 50.3815 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 20.1225, 20.0246, 50.3815 by changing the saturation by 10% instead.

■ 20.1225, 20.0246,
50.3815

■ 20.1225, 20.0246,
50.3815

245.3985,
252.0483, 404.9337

■ 12.5929, 12.4129,
35.3433

■ 43.1248, 43.4584,
92.1420

■ 7.2239, 7.0256,
23.6418

■ 59.3283, 60.0494,
119.7014

■ 3.6501, 3.4781,
14.8584

■ 79.1538, 80.4022,
152.2716

■ 1.5061, 1.3861,
8.5745

■ 102.9666,
104.9013, 190.2711

■ 0.3300, 0.2065,
4.3717

131.1321,
133.9310, 234.1186

■ 0.0000, 0.0000,
1.8314

164.0157,

■ 0.0000, 0.0000,

167.8759, 284.2325

0.4486

201.9827,
207.1201, 341.0313

■ 0.0000, 0.0000,
0.0000

■ 20.1225, 20.0246,
50.3815

■ 20.1225, 20.0246,
50.3815

■ 17.2228, 16.4652,
49.8477

■ 23.6557, 24.1739,
50.9966

■ 14.9118, 13.4622,
49.3899

■ 27.8588, 28.9394,
51.6949

■ 13.1414, 10.9815,
49.0043

■ 32.7676, 34.3485,
52.4802

■ 11.8537, 8.9828,
48.6864

■ 38.4148, 40.4259,
53.3556

■ 11.2697, 8.0158,
48.5306

■ 44.8309, 47.1950,
54.3240

■ 52.0445, 54.6781,
55.3882

■ 60.0830, 62.8962,
56.5508

■ 68.9721, 71.8696,
57.8143

■ 78.6611, 81.5787,
59.1777

Harmonies

Analogous

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



16.4118, 20.0246, 48.1591



20.1225, 20.0246, 50.3815



24.0180, 20.0246, 43.1485

Triad

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



20.1225, 20.0246, 50.3815



25.4847, 20.0246, 11.0972



12.9293, 20.0246, 14.8345

Complementary

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



20.1225, 20.0246, 50.3815



33.3260, 33.1772, 13.4525

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.



14.7900, 20.0246, 8.9977



20.1225, 20.0246, 50.3815



21.9190, 20.0246, 7.4044

Square

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



20.1225, 20.0246, 50.3815



27.3765, 20.0246, 18.8815



17.9831, 20.0246, 6.7938



12.5841, 20.0246, 25.0122

Rectangle

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



20.1225, 20.0246, 50.3815



26.0808, 20.0246, 35.0226



17.9831, 20.0246, 6.7938



13.3848, 20.0246, 12.4157

Sweetspot

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



20.1232, 20.0253, 50.3820



67.4544, 70.9534, 96.3663



27.2386, 40.1122, 34.6997



14.0413, 14.7605, 20.6516



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



20.1232, 20.0253, 50.3820



30.3782, 28.7816, 90.1805



17.4320, 12.8785, 49.1444



9.2998, 9.7920, 12.0721



7.7389, 5.5895, 33.0639



0.3664, 0.3455, 1.3162

Inverse Universe

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



27.7056, 18.8031, 21.2385



45.9963, 28.0242, 29.7560



37.5906, 45.8806, 15.6797



9.6732, 9.5936, 10.6681



14.9070, 7.5940, 4.8039



0.6158, 0.3102, 0.3563

Previews

White Background



This preview shows how the XYZ color 20.1225, 20.0246, 50.3815 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 20.1225, 20.0246, 50.3815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

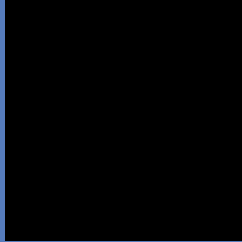
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

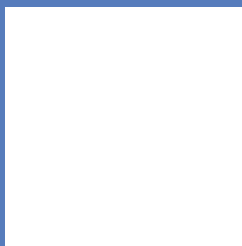
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1225, 20.0246, 50.3815

Background



This preview shows how black text looks on a background with the XYZ color 20.1225, 20.0246, 50.3815.

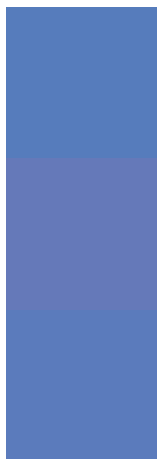


This preview shows how white text looks on a background with the XYZ color 20.1225, 20.0246,

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

20.1225, 20.0246, 50.3815

Protanopia

20.9612, 19.9442, 48.6438

Deuteranopia

20.4744, 20.0209, 50.3623



Tritanopia

15.9474, 20.0908, 29.4229

Trichromacy



Original Color

20.1225, 20.0246, 50.3815

Protanomaly

20.6463, 19.9510, 49.2171

Deuteranomaly

20.2799, 19.9206, 50.3531

Tritanomaly

17.3083, 20.0398, 36.2135

Monochromacy



Original Color

20.1225, 20.0246, 50.3815

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.1325, 18.9072, 29.4818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1225, 20.0246, 50.3815 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(86, 124, 188)` looks like.

```
.text, #text, p{  
    color:rgb(86, 124, 188)  
}
```

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(86, 124, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 124, 188) }
```

Border

The CSS property to change the border of an element to XYZ 20.1225, 20.0246, 50.3815 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(86, 124, 188) }
```


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

```
.border{ border-color:rgb(86, 124, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 124, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 124, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 124, 188);  
box-shadow:4px 4px 4px 4px rgb(86, 124,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1225, 20.0246, 50.3815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 124, 188) }
```

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

```
.background{ background-color: rgb(86, 124,  
188) }
```

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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