

Converting Colors

XYZ(21.0820, 19.6567, 32.3887)

Have a look what the booklet for
XYZ(21.0820, 19.6567, 32.3887)
contains.

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Color

**XYZ(21.0820, 19.6567,
32.3887)**

Conversions

Conversions Part 1

Format	Color
Hex	817598
RGB	129, 117, 152
RGB Percent	51%, 46%, 60%
CMY	0.4941, 0.5412, 0.4039
CMYK	0.15, 0.23, 0.00, 0.40
HSL	261°, 15%, 53%
HSV	261°, 23%, 60%
XYZ	21.0820, 19.6567, 32.3887
YIQ	124.5780, -4.0830, 13.4290

Conversions

Conversions Part 2

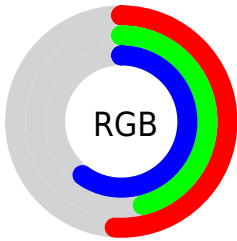
Format	Color
R_{YB}	129, 117, 152
Decimal	8484248
CIE Lab	51.45, 11.95, -17.22
CIE LCh	51, 20.958, 304.747
Yxy	19.6567, 0.2883, 0.2688
Android (android.graphics.Color)	4286674328 (0xFF817598)
YUV	124.5780, 13.5190, 3.8781
Hunter-Lab	44.3359, 7.2901, -12.2780

Details

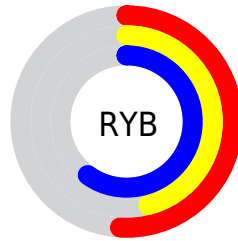
The XYZ color **21.0820, 19.6567, 32.3887** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.2550, 29.3168, 21.1582**, and the grayscale version is **19.3089, 20.3145, 22.1225**.

A 20% lighter version of the original color is **44.6199, 42.7772, 64.2976**, and **7.7015, 6.8581, 13.2297** is the 20% darker color. If you saturate the color by 10%, you get **18.0090, 15.6539, 31.7784**, and if you desaturate by 10%, it is **24.5922, 24.3128, 33.1027**.

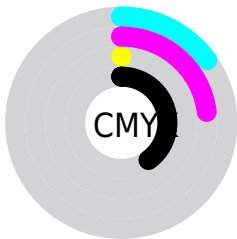
Distribution



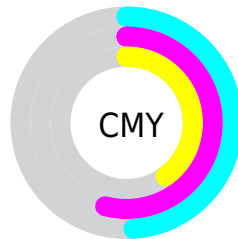
- Red (51%)
- Green (46%)
- Blue (60%)



- Red (51%)
- Yellow (46%)
- Blue (60%)



- Cyan (15%)
- Magenta (23%)
- Yellow (0%)
- Black (40%)



- Cyan (49%)
- Magenta (54%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0820, 19.6567, 32.3887 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 21.0820, 19.6567, 32.3887 by changing the saturation by 10% instead.

■ 21.0820, 19.6567,
32.3887

■ 21.0820, 19.6567,
32.3887

250.4374,
250.0505, 327.4332

■ 13.2968, 12.1457,
21.3913

■ 44.7142, 42.8409,
64.5249

■ 7.7116, 6.8430,
13.2163

■ 61.2919, 59.2829,
86.5008

■ 3.9612, 3.3641,
7.4452

■ 81.5311, 79.4707,
112.9733

■ 1.6802, 1.3247,
3.6594

105.7972,
103.7887, 144.3609

■ 0.4438, 0.1602,
1.4404

134.4555,
132.6213, 181.0821

■ 0.0000, 0.0000,
0.1729

167.8714,

■ 0.0000, 0.0000,

166.3528, 223.5556

0.0000

206.4103,
205.3678, 272.1998

■ 21.0820, 19.6567,
32.3887

■ 21.0820, 19.6567,
32.3887

■ 18.0090, 15.6539,
31.7784

■ 24.5922, 24.3128,
33.1027

■ 15.3532, 12.2719,
31.2656

■ 28.5547, 29.6477,
33.9236

■ 13.0958, 9.4795,
30.8455

■ 32.9862, 35.6884,
34.8560

■ 11.2157, 7.2411,
30.5126

■ 37.9019, 42.4599,
35.9040

■ 9.6897, 5.5177,
30.2604

■ 43.3163, 49.9857,
37.0712

■ 8.4916, 4.2647,
30.0817

■ 49.2433, 58.2886,
38.3615

■ 7.5910, 3.4295,
29.9679

■ 55.6963, 67.3900,
39.7781

■ 7.0894, 3.0000,
29.9114

■ 62.6882, 77.3108,
41.3245

■ 70.2312, 88.0710,
43.0039

Harmonies

Analogous

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



19.0195, 19.6567, 35.1303



21.0820, 19.6567, 32.3887



22.5810, 19.6567, 26.7288

Triad

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



21.0820, 19.6567, 32.3887



20.4604, 19.6567, 12.5500



14.9387, 19.6567, 22.3749

Complementary

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



21.0820, 19.6567, 32.3887



25.2550, 29.3168, 21.1582

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.



15.2617, 19.6567, 16.8359



21.0820, 19.6567, 32.3887



18.3507, 19.6567, 11.8178

Square

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



21.0820, 19.6567, 32.3887



22.2037, 19.6567, 15.4616



16.4735, 19.6567, 13.2330



15.5558, 19.6567, 28.6991

Rectangle

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



21.0820, 19.6567, 32.3887



23.0025, 19.6567, 22.4797



16.4735, 19.6567, 13.2330



14.9414, 19.6567, 20.3608

Sweetspot

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



21.0826, 19.6575, 32.3891



47.4272, 48.3108, 59.2589



22.4311, 24.9033, 33.3306



10.6960, 10.8678, 13.4514



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.0826, 19.6575, 32.3891



34.1247, 30.6574, 56.5526



23.9131, 21.1167, 32.5216



6.0742, 6.1241, 7.7909



5.9749, 2.5312, 25.0814



0.1258, 0.0566, 0.3767

Inverse Universe

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



24.0445, 21.2923, 27.6544



40.4219, 34.1368, 46.3164



22.5843, 27.9400, 21.0332



6.3712, 6.2876, 7.3348



12.7965, 6.3728, 10.7195



0.2082, 0.1020, 0.2493

Previews

White Background



This preview shows how the XYZ color 21.0820, 19.6567, 32.3887 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 21.0820, 19.6567, 32.3887 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 21.0820, 19.6567, 32.3887

Background



This preview shows how black text looks on a background with the XYZ color 21.0820, 19.6567, 32.3887.



This preview shows how white text looks on a background with the XYZ color 21.0820, 19.6567,

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

21.0820, 19.6567, 32.3887

Protanopia

19.6932, 19.6187, 33.7592

Deuteranopia

20.0481, 19.6604, 32.0163



Tritanopia

19.3241, 19.6464, 23.8927

Trichromacy



Original Color

21.0820, 19.6567, 32.3887

Protanomaly

20.1570, 19.6880, 33.3096

Deuteranomaly

20.3511, 19.6390, 31.9962

Tritanomaly

19.9081, 19.7035, 26.7986

Monochromacy



Original Color

21.0820, 19.6567, 32.3887

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.9369, 20.1040, 25.7513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0820, 19.6567, 32.3887 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(129, 117, 152)` looks like.

```
.text, #text, p{  
    color:rgb(129, 117, 152)  
}
```

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(129, 117, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 117, 152) }
```

Border

The CSS property to change the border of an element to XYZ 21.0820, 19.6567, 32.3887 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(129, 117, 152) }
```


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

```
.border{ border-color:rgb(129, 117, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 117, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 117, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 117, 152);  
box-shadow:4px 4px 4px 4px rgb(129, 117,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0820, 19.6567, 32.3887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 117, 152) }
```

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

```
.background{ background-color: rgb(129,  
117, 152) }
```

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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