

Converting Colors

XYZ(21.3175, 19.8883, 32.0192)

Have a look what the booklet for
XYZ(21.3175, 19.8883, 32.0192)
contains.

XYZ(21.4244, 20.0165, 32.0125)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.4244, 20.0165,
32.0125)**

Conversions

Conversions Part 1

Format	Color
Hex	837697
RGB	131, 118, 151
RGB Percent	51%, 46%, 59%
CMY	0.4863, 0.5372, 0.4078
CMYK	0.13, 0.22, 0.00, 0.41
HSL	264°, 14%, 53%
HSV	264°, 22%, 59%
XYZ	21.4244, 20.0165, 32.0125
YIQ	125.6490, -2.8450, 13.0190

Conversions

Conversions Part 2

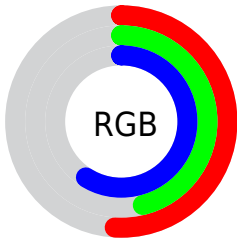
Format	Color
R_{YB}	131, 118, 151
Decimal	8615575
CIE Lab	51.86, 11.81, -16.00
CIE LCh	52, 19.885, 306.442
Yxy	20.0165, 0.2917, 0.2725
Android (android.graphics.Color)	4286805655 (0xFF837697)
YUV	125.6490, 12.4980, 4.6928
Hunter-Lab	44.7398, 7.1830, -11.1057

Details

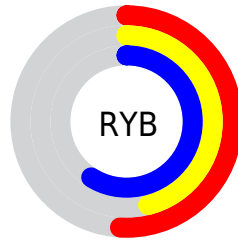
The XYZ color **21.4244, 20.0165, 32.0125** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.8185, 28.8450, 21.4000**, and the grayscale version is **19.6723, 20.6968, 22.5388**.

A 20% lighter version of the original color is **45.1613, 43.3476, 63.7443**, and **7.8837, 7.0497, 13.0018** is the 20% darker color. If you saturate the color by 10%, you get **18.4313, 16.0422, 31.4034**, and if you desaturate by 10%, it is **24.8287, 24.6264, 32.7232**.

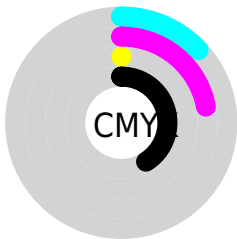
Distribution



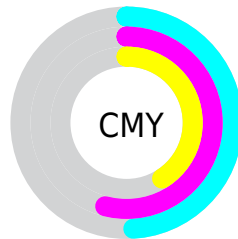
- Red (51%)
- Green (46%)
- Blue (59%)



- Red (51%)
- Yellow (46%)
- Blue (59%)



- Cyan (13%)
- Magenta (22%)
- Yellow (0%)
- Black (41%)



- Cyan (49%)
- Magenta (54%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4244, 20.0165, 32.0125 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 21.4244, 20.0165, 32.0125 by changing the saturation by 10% instead.

■ 21.4244, 20.0165,
32.0125

■ 21.4244, 20.0165,
32.0125

252.2147,
252.0044, 325.6707

■ 13.5488, 12.4070,
21.1061

■ 45.2788, 43.4448,
63.9288

■ 7.8871, 7.0215,
13.0096

■ 61.9882, 60.0325,
85.7759

■ 4.0740, 3.4756,
7.3044

■ 82.3731, 80.3817,
112.1069

■ 1.7441, 1.3848,
3.5718

106.7986,
104.8768, 143.3405

■ 0.4836, 0.2055,
1.3935

135.6301,
133.9023, 179.8951

■ 0.0000, 0.0000,
0.1367

169.2331,

■ 0.0000, 0.0000,

167.8424, 222.1893

0.0000

207.9728,
207.0817, 270.6416

■ 21.4244, 20.0165,
32.0125

■ 21.4244, 20.0165,
32.0125

■ 18.4313, 16.0422,
31.4034

■ 24.8287, 24.6264,
32.7232

■ 15.8307, 12.6722,
30.8900

■ 28.6579, 29.8962,
33.5385

■ 13.6054, 9.8764,
30.4677

■ 32.9276, 35.8520,
34.4631

■ 11.7357, 7.6212,
30.1309

■ 37.6520, 42.5178,
35.5007

■ 10.2002, 5.8688,
29.8736

■ 42.8443, 49.9162,
36.6551

■ 8.9749, 4.5770,
29.6889

■ 48.5176, 58.0690,
37.9297

■ 8.0317, 3.6958,
29.5685

■ 54.6842, 66.9970,
39.3280

■ 7.4183, 3.1790,
29.5011

■ 61.3560, 76.7202,
40.8531

■ 68.5445, 87.2579,
42.5082

Harmonies

Analogous

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



19.4638, 20.0165, 34.8074



21.4244, 20.0165, 32.0125



22.8083, 20.0165, 26.5446

Triad

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



21.4244, 20.0165, 32.0125



20.6185, 20.0165, 13.1124



15.4239, 20.0165, 23.0654

Complementary

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



21.4244, 20.0165, 32.0125



24.8185, 28.8450, 21.4000

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.



15.6852, 20.0165, 17.6479



21.4244, 20.0165, 32.0125



18.5930, 20.0165, 12.5118

Square

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



21.4244, 20.0165, 32.0125



22.3205, 20.0165, 15.8373



16.8119, 20.0165, 14.0213



16.0711, 20.0165, 29.0848

Rectangle

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



21.4244, 20.0165, 32.0125



23.1667, 20.0165, 22.4914



16.8119, 20.0165, 14.0213



15.4091, 20.0165, 21.1122

Sweetspot

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



21.4250, 20.0173, 32.0129



47.5998, 48.3998, 59.2670



22.1966, 24.3641, 32.8113



10.7379, 10.8894, 13.4534



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.



21.4250, 20.0173, 32.0129



35.7771, 32.3871, 56.7993



24.1244, 21.4089, 32.1393



6.1032, 6.1391, 7.7923



6.3412, 2.7201, 25.0985



0.1339, 0.0608, 0.3771

Inverse Universe

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



23.8290, 21.3720, 26.9148



40.8875, 35.2692, 45.8515



22.3421, 27.5683, 21.2841



6.3581, 6.2824, 7.2657



12.4972, 6.2531, 9.1431



0.2047, 0.1006, 0.2305

Previews

White Background



This preview shows how the XYZ color 21.4244, 20.0165, 32.0125 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 21.4244, 20.0165, 32.0125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

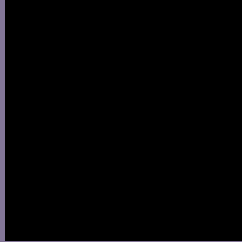
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4244, 20.0165, 32.0125

Background



This preview shows how black text looks on a background with the XYZ color 21.4244, 20.0165, 32.0125.



This preview shows how white text looks on a background with the XYZ color 21.4244, 20.0165,

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

21.4244, 20.0165, 32.0125

Protanopia

19.9947, 19.9652, 33.3717

Deuteranopia

20.3684, 20.0143, 31.6438



Tritanopia

19.9584, 20.1470, 24.3096

Trichromacy



Original Color

21.4244, 20.0165, 32.0125

Protanomaly

20.4723, 20.0396, 32.9260

Deuteranomaly

20.6789, 19.9949, 31.6237

Tritanomaly

20.4781, 20.1768, 26.8600

Monochromacy



Original Color

21.4244, 20.0165, 32.0125

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.3582, 20.5044, 25.8064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4244, 20.0165, 32.0125 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(131, 118, 151)` looks like.

```
.text, #text, p{  
    color:rgb(131, 118, 151)  
}
```

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(131, 118, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 118, 151) }
```

Border

The CSS property to change the border of an element to XYZ 21.4244, 20.0165, 32.0125 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(131, 118, 151) }
```


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

```
.border{ border-color:rgb(131, 118, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 118, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 118, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 118, 151);  
box-shadow:4px 4px 4px 4px rgb(131, 118,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4244, 20.0165, 32.0125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 118, 151) }
```

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

```
.background{ background-color: rgb(131,  
118, 151) }
```

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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