

# Converting Colors

XYZ(20.2348, 19.9523, 24.6868)

Have a look what the booklet for  
XYZ(20.2348, 19.9523, 24.6868)  
contains.

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# Color

**XYZ(20.2414, 19.9242,  
24.6087)**

# Conversions

Conversions Part 1	
Format	Color
Hex	837884
RGB	131, 120, 132
RGB Percent	51%, 47%, 52%
CMY	0.4863, 0.5294, 0.4823
CMYK	0.01, 0.09, 0.00, 0.48
HSL	295°, 5%, 49%
HSV	295°, 9%, 52%
XYZ	20.2414, 19.9242, 24.6087
YIQ	124.6570, 2.7040, 6.0640

# Conversions

## Conversions Part 2

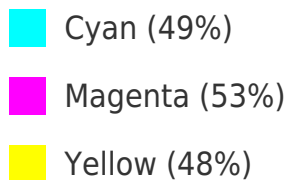
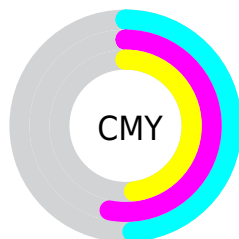
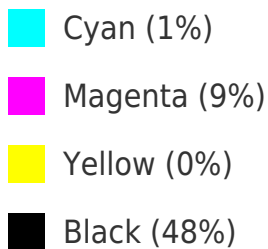
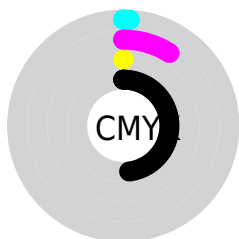
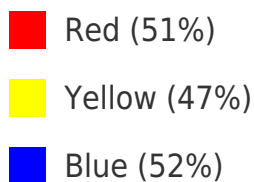
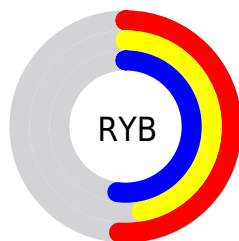
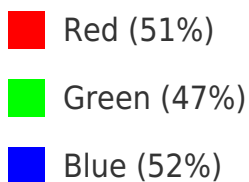
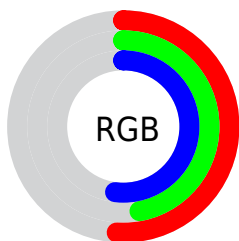
Format	Color
<a href="#">RYB</a>	<a href="#">131, 120, 132</a>
Decimal	<a href="#">8616068</a>
CIELab	<a href="#">51.75, 6.55, -5.01</a>
CIELCh	<a href="#">52, 8.252, 322.592</a>
Yxy	<a href="#">19.9242, 0.3125, 0.3076</a>
Android (android.graphics.Color)	<a href="#">4286806148</a> (0xFF837884)
YUV	<a href="#">124.6570, 3.6201, 5.5628</a>
Hunter-Lab	<a href="#">44.6365, 2.8308, -1.4418</a>

# Details

The XYZ color **20.2414, 19.9242, 24.6087** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.5273, 21.9241, 20.9729**, and the grayscale version is **19.3659, 20.3744, 22.1877**.

A 20% lighter version of the original color is **43.2766, 43.1982, 51.9561**, and **7.3584, 7.0531, 9.1572** is the 20% darker color. If you saturate the color by 10%, you get **18.5928, 16.8783, 24.1080**, and if you desaturate by 10%, it is **22.1118, 23.4104, 25.1833**.


# Distribution




# Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2414, 19.9242, 24.6087 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 20.2414, 19.9242, 24.6087 by changing the saturation by 10% instead.


 20.2414, 19.9242,  
24.6087


 20.2414, 19.9242,  
24.6087


246.0277,  
251.5045, 289.2686


 12.6799, 12.3400,  
15.5694

 43.3224, 43.2901,  
51.9779

 7.2840, 6.9756,  
9.0689


 59.5726, 59.8405,  
71.1449

 3.6882, 3.4469,  
4.6887


 79.4498, 80.1484,  
94.5249

 1.5273, 1.3692,  
2.0103

103.3193,  
104.5982, 122.5365

 0.3443, 0.1939,  
0.5616


131.5465,  
133.5743, 155.5981


 0.0000, 0.0000,  
0.0000


164.4968,


167.4612, 194.1282


202.5354,  
206.6431, 238.5456


 20.2414, 19.9242,  
24.6087


 20.2414, 19.9242,  
24.6087


 18.5928, 16.8783,  
24.1080


 22.1118, 23.4104,  
25.1833


 17.1554, 14.2525,  
23.6769


 24.2108, 27.3513,  
25.8334


 15.9202, 12.0285,  
23.3127


 26.5467, 31.7635,  
26.5619


 14.8771, 10.1858,  
23.0120


 29.1273, 36.6621,  
27.3714


 14.0148, 8.7023,  
22.7711


 31.9596, 42.0617,  
28.2643


 13.3211, 7.5532,  
22.5859


 35.0507, 47.9760,  
29.2430


 12.7821, 6.7108,  
22.4517

 38.4073, 54.4185,  
30.3096

 12.3817, 6.1431,  
22.3632

 42.0356, 61.4018,  
31.4663

 12.0770, 5.7642,  
22.3061

 45.9420, 68.9384,  
32.7151

# Harmonies

## Analogous

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



19.5608, 19.9242, 26.2219



20.2414, 19.9242, 24.6087



20.5744, 19.9242, 22.2923

# Triad

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



20.2414, 19.9242, 24.6087



19.1451, 19.9242, 17.4467



17.4935, 19.9242, 23.5087

# Complementary

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



20.2414, 19.9242, 24.6087



19.5273, 21.9241, 20.9729

# 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.



17.3896, 19.9242, 21.1066



20.2414, 19.9242, 24.6087



18.3273, 19.9242, 17.7200

# Square

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



20.2414, 19.9242, 24.6087



19.9294, 19.9242, 18.2431



17.6906, 19.9242, 19.0192



17.9787, 19.9242, 25.5549

# Rectangle

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



20.2414, 19.9242, 24.6087



20.5477, 19.9242, 20.7071



17.6906, 19.9242, 19.0192



17.4134, 19.9242, 22.7119

# Sweetspot

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



20.2420, 19.9251, 24.6091



37.5917, 38.7002, 43.9417



18.7732, 19.3834, 24.5820



8.6948, 8.9033, 10.2129



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052



# Same Dimension

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



20.2420, 19.9251, 24.6091



34.9969, 33.8758, 43.1473



20.0766, 19.8769, 22.9262



4.8206, 4.7436, 5.8623



11.6693, 5.5499, 21.5929



0.0432, 0.0207, 0.0749



# Inverse Universe

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



19.6841, 19.7199, 20.8591



33.8007, 33.4365, 35.0798



19.6866, 21.9717, 22.5392



4.6872, 4.6946, 4.9650



9.2731, 4.7736, 0.7444



0.0331, 0.0169, 0.0076



# Previews

## White Background



This preview shows how the XYZ color 20.2414, 19.9242, 24.6087 looks on a white background.

## Color Contrast Check

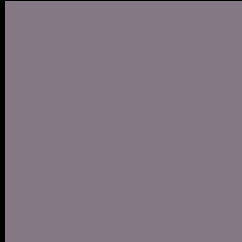
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2414, 19.9242, 24.6087 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

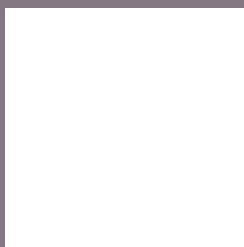
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 20.2414, 19.9242, 24.6087**

## **Background**



This preview shows how black text looks on a background with the XYZ color 20.2414, 19.9242, 24.6087.



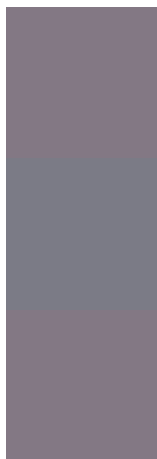
This preview shows how white text looks on a background with the XYZ color 20.2414, 19.9242,



# 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

20.2414, 19.9242, 24.6087

### Protanopia

19.5544, 20.0981, 25.4029

### Deuteranopia

20.2414, 19.9242, 24.6087



## Tritanopia

20.1058, 19.8699, 23.8947

# Trichromacy



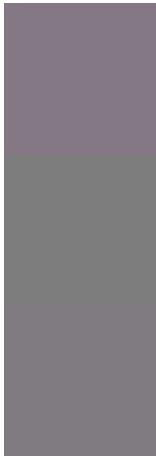
**Original Color**  
20.2414, 19.9242, 24.6087

**Protanomaly**  
19.7974, 20.0481, 25.0165

**Deuteranomaly**  
20.2414, 19.9242, 24.6087

**Tritanomaly**  
20.1733, 19.8969, 24.2500

# Monochromacy



**Original Color**  
20.2414, 19.9242, 24.6087

**Achromatopsia**  
19.4927, 20.5079, 22.3331

**Achromatomaly**  
19.7316, 20.2365, 23.2881

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 20.2414, 19.9242, 24.6087 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, 120, 132) looks like.

```
.text, #text, p{  
    color:rgb(131, 120, 132)  
}
```

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, 120, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 120, 132) }
```

## Border

The CSS property to change the border of an element to XYZ 20.2414, 19.9242, 24.6087 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, 120, 132) }
```

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

```
.border{ border-color:rgb(131, 120, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 120, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 120, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 120, 132);  
box-shadow:4px 4px 4px 4px rgb(131, 120,  
132) }
```

# Background

The CSS property to change the background color of an element to XYZ 20.2414, 19.9242, 24.6087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 120, 132) }
```

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

```
.background{ background-color: rgb(131,  
120, 132) }
```

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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