

Converting Colors

XYZ(21.3424, 13.5980, 18.8298)

Have a look what the booklet for
XYZ(21.3424, 13.5980, 18.8298)
contains.

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Color

**XYZ(21.2733, 13.5617,
18.9492)**

Conversions

Conversions Part 1

Format	Color
Hex	A74377
RGB	167, 67, 119
RGB Percent	65%, 26%, 47%
CMY	0.3451, 0.7372, 0.5333
CMYK	0.00, 0.60, 0.29, 0.35
HSL	329°, 43%, 46%
HSV	329°, 60%, 65%
XYZ	21.2733, 13.5617, 18.9492
YIQ	102.8280, 42.9080, 37.3720

Conversions

Conversions Part 2

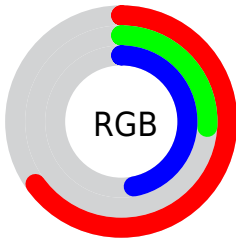
Format	Color
R_{YB}	167, 67, 119
Decimal	10961783
CIE Lab	43.60, 46.69, -8.91
CIE LCh	44, 47.533, 349.199
Yxy	13.5617, 0.3955, 0.2522
Android (android.graphics.Color)	4289151863 (0xFFA74377)
YUV	102.8280, 7.9728, 56.2788
Hunter-Lab	36.8262, 38.6677, -4.7298

Details

The XYZ color **21.2733, 13.5617, 18.9492** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.2287, 30.0690, 21.0117**, and the grayscale version is **12.8189, 13.4865, 14.6868**.

A 20% lighter version of the original color is **45.1185, 32.3808, 42.4002**, and **7.8737, 4.0082, 6.3199** is the 20% darker color. If you saturate the color by 10%, you get **19.9585, 11.6703, 16.2350**, and if you desaturate by 10%, it is **22.9158, 16.0433, 21.9733**.

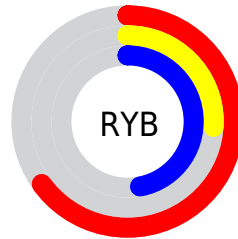
Distribution



Red (65%)

Green (26%)

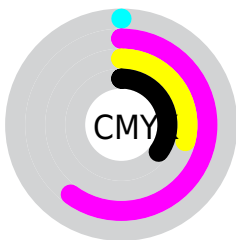
Blue (47%)



Red (65%)

Yellow (26%)

Blue (47%)

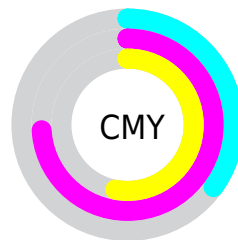


Cyan (0%)

Magenta (60%)

Yellow (29%)

Black (35%)



Cyan (35%)

Magenta (74%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2733, 13.5617, 18.9492 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 21.2733, 13.5617, 18.9492 by changing the saturation by 10% instead.

21.2733, 13.5617,
18.9492

21.2733, 13.5617,
18.9492

251.4317,
214.4868, 258.5815

13.4375, 7.8165,
11.4571

45.0298, 32.3093,
42.4838

7.8096, 3.9777,
6.2572

61.6812, 46.0804,
59.3634

4.0241, 1.6611,
2.9308

82.0019, 63.2956,
80.2093

1.7158, 0.3983,
1.0594

106.3572, 84.3393,
105.4400

0.4661, 0.0000,
0.0000

135.1125,
109.5959, 135.4740

0.0000, 0.0000,
0.0000

168.6331,

139.4497, 170.7299

207.2844,
174.2853, 211.6262

■ 21.2733, 13.5617,
18.9492

■ 21.2733, 13.5617,
18.9492

■ 19.9585, 11.6703,
16.2350

■ 22.9158, 16.0433,
21.9733

■ 18.9438, 10.3158,
13.8161

■ 24.9081, 19.1580,
25.3190

■ 18.1988, 9.4388,
11.6775

■ 27.2717, 22.9474,
28.9982

■ 17.6563, 8.9070,
9.7915

■ 30.0259, 27.4485,
33.0218

■ 17.6500, 8.9010,
9.7696

■ 33.1888, 32.6960,
37.4001

■ 36.7770, 38.7220,
42.1429

■ 40.8065, 45.5570,
47.2595

■ 45.2922, 53.2295,
52.7588

■ 50.2484, 61.7671,
58.6496

Harmonies

Analogous

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



19.1004, 13.5617, 32.6119



21.2733, 13.5617, 18.9492



20.8968, 13.5617, 9.0008

Triad

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



21.2733, 13.5617, 18.9492



10.6773, 13.5617, 2.6371



8.7570, 13.5617, 36.3443

Complementary

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



21.2733, 13.5617, 18.9492



19.2287, 30.0690, 21.0117

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.



7.2447, 13.5617, 22.5822



21.2733, 13.5617, 18.9492



8.1969, 13.5617, 5.0158

Square

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



21.2733, 13.5617, 18.9492



14.2779, 13.5617, 2.3984



7.0616, 13.5617, 11.2494



11.5950, 13.5617, 45.4271

Rectangle

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



21.2733, 13.5617, 18.9492



19.2681, 13.5617, 5.2326



7.0616, 13.5617, 11.2494



8.1021, 13.5617, 31.8730

Sweetspot

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



21.2737, 13.5624, 18.9495



54.6043, 50.5271, 60.3141



15.8791, 10.3603, 37.7222



11.8850, 10.7561, 13.0224



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.2737, 13.5624, 18.9495



35.0635, 19.9660, 27.5331



19.0601, 12.6770, 7.2928



7.6879, 7.6050, 8.6736



13.5308, 6.8211, 7.6070



0.3549, 0.1762, 0.3201

Inverse Universe

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



21.2737, 13.5624, 18.9495



35.0635, 19.9660, 27.5331



22.8047, 31.4994, 39.8426



7.6879, 7.6050, 8.6736



13.5308, 6.8211, 7.6070



0.3549, 0.1762, 0.3201

Previews

White Background



This preview shows how the XYZ color 21.2733, 13.5617, 18.9492 looks on a white 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

Black Background



This preview shows how the XYZ color 21.2733, 13.5617, 18.9492 looks on a black 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

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

XYZ 21.2733, 13.5617, 18.9492

Background



This preview shows how black text looks on a background with the XYZ color 21.2733, 13.5617, 18.9492.



This preview shows how white text looks on a background with the XYZ color 21.2733, 13.5617,

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

21.2733, 13.5617, 18.9492

Protanopia

14.0237, 13.7101, 27.8938

Deuteranopia

13.9976, 13.7735, 17.8404



Tritanopia

19.3795, 13.6555, 9.3989

Trichromacy



Original Color

21.2733, 13.5617, 18.9492

Protanomaly

15.4832, 12.7879, 24.2065

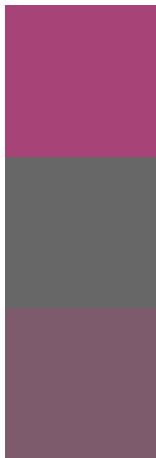
Deuteranomaly

15.9307, 13.1515, 18.2219

Tritanomaly

19.9652, 13.5906, 12.3974

Monochromacy



Original Color

21.2733, 13.5617, 18.9492

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

15.0207, 12.8521, 16.1570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2733, 13.5617, 18.9492 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(167, 67, 119)` looks like.

```
.text, #text, p{  
    color:rgb(167, 67, 119)  
}
```

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(167, 67, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 67, 119) }
```

Border

The CSS property to change the border of an element to XYZ 21.2733, 13.5617, 18.9492 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(167, 67, 119) }
```


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

```
.border{ border-color:rgb(167, 67, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 67, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 67, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 67, 119);  
box-shadow:4px 4px 4px 4px rgb(167, 67,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2733, 13.5617, 18.9492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 67, 119) }
```

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

```
.background{ background-color: rgb(167, 67,  
119) }
```

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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