

Converting Colors

XYZ(21.2718, 13.4766, 14.5138)

Have a look what the booklet for
XYZ(21.2718, 13.4766, 14.5138)
contains.

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Color

**XYZ(21.1836, 13.4380,
14.5740)**

Conversions

Conversions Part 1

Format	Color
Hex	AB4168
RGB	171, 65, 104
RGB Percent	67%, 25%, 41%
CMY	0.3294, 0.7451, 0.5922
CMYK	0.00, 0.62, 0.39, 0.33
HSL	338°, 45%, 46%
HSV	338°, 62%, 67%
XYZ	21.1836, 13.4380, 14.5740
YIQ	101.1400, 50.6570, 34.6010

Conversions

Conversions Part 2

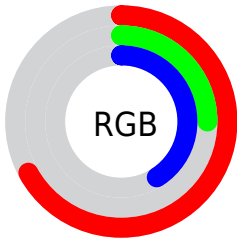
Format	Color
RYB	171, 65, 104
Decimal	11223400
CIELab	43.42, 47.05, 0.13
CIElCh	43, 47.047, 0.164
Yxy	13.4380, 0.4306, 0.2732
Android (android.graphics.Color)	4289413480 (0xFFAB4168)
YUV	101.1400, 1.4100, 61.2672
Hunter-Lab	36.6579, 38.9991, 2.0887

Details

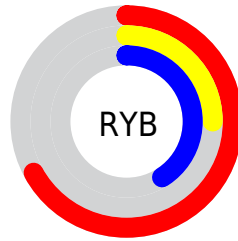
The XYZ color **21.1836, 13.4380, 14.5740** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **20.9086, 31.9160, 26.8902**, and the grayscale version is **12.3937, 13.0391, 14.1996**.

A 20% lighter version of the original color is **45.0280, 32.1464, 34.8420**, and **7.8088, 3.9402, 4.2199** is the 20% darker color. If you saturate the color by 10%, you get **19.8320, 11.5579, 11.5861**, and if you desaturate by 10%, it is **22.9035, 15.9420, 18.0322**.

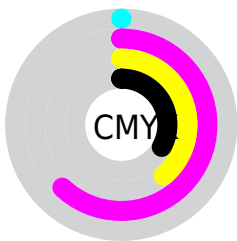
Distribution



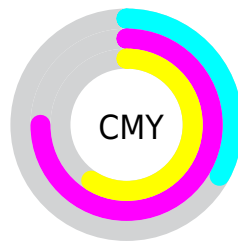
- Red (67%)
- Green (25%)
- Blue (41%)



- Red (67%)
- Yellow (25%)
- Blue (41%)



- Cyan (0%)
- Magenta (62%)
- Yellow (39%)
- Black (33%)



- Cyan (33%)
- Magenta (75%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1836, 13.4380, 14.5740 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 21.1836, 13.4380, 14.5740 by changing the saturation by 10% instead.

■ 21.1836, 13.4380,
14.5740

■ 21.1836, 13.4380,
14.5740

250.9659,
213.7060, 232.3243

■ 13.3715, 7.7308,
8.3777

■ 44.8819, 32.0885,
34.8358

■ 7.7636, 3.9232,
4.2463

■ 61.4988, 45.8005,
49.7383

■ 3.9946, 1.6307,
1.7614

■ 81.7813, 62.9497,
68.3799

■ 1.6991, 0.3782,
0.4023

■ 106.0948, 83.9204,
91.1793

■ 0.4557, 0.0000,
0.0000

■ 134.8047,
109.0970, 118.5549

■ 0.0000, 0.0000,
0.0000

168.2762,

138.8639, 150.9252

206.8749,
173.6054, 188.7088

■ 21.1836, 13.4380,
14.5740

■ 21.1836, 13.4380,
14.5740

■ 19.8320, 11.5579,
11.5861

■ 22.9035, 15.9420,
18.0322

■ 18.8171, 10.2428,
9.0444

■ 25.0173, 19.1172,
21.9813

■ 18.1035, 9.4265,
6.9235

■ 27.5497, 23.0092,
26.4414

■ 17.6893, 9.0158,
5.4973

■ 30.5229, 27.6584,
31.4311

■ 33.9574, 33.1027,
36.9681

■ 37.8724, 39.3771,
43.0691

■ 42.2862, 46.5146,
49.7502

■ 47.2157, 54.5465,
57.0266

■ 52.6775, 63.5023,
64.9131

Harmonies

Analogous

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



19.9031, 13.4380, 27.1273



21.1836, 13.4380, 14.5740



19.8760, 13.4380, 6.6599

Triad

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



21.1836, 13.4380, 14.5740



9.5519, 13.4380, 3.2070



9.5807, 13.4380, 40.0105

Complementary

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



21.1836, 13.4380, 14.5740



20.9086, 31.9160, 26.8902

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.



7.6020, 13.4380, 27.2786



21.1836, 13.4380, 14.5740



7.5878, 13.4380, 6.7193

Square

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



21.1836, 13.4380, 14.5740



12.7523, 13.4380, 2.3135



6.9474, 13.4380, 14.6895



12.7926, 13.4380, 45.4661

Rectangle

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



21.1836, 13.4380, 14.5740



17.8329, 13.4380, 3.9692



6.9474, 13.4380, 14.6895



8.7731, 13.4380, 36.2123

Sweetspot

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



21.1840, 13.4387, 14.5742



56.2123, 51.9763, 58.8215



18.5040, 11.4966, 39.7719



12.1731, 11.0190, 12.5246



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.1840, 13.4387, 14.5742



34.8499, 19.8098, 19.1506



20.4289, 14.3996, 6.7046



8.1225, 8.0623, 8.9559



13.3586, 6.8060, 4.2681



0.3985, 0.2001, 0.2601

Inverse Universe

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



21.1840, 13.4387, 14.5742



34.8499, 19.8098, 19.1506



21.8664, 28.7349, 42.9221



8.1225, 8.0623, 8.9559



13.3586, 6.8060, 4.2681



0.3985, 0.2001, 0.2601

Previews

White Background



This preview shows how the XYZ color 21.1836, 13.4380, 14.5740 looks on a white background.

Color Contrast Check

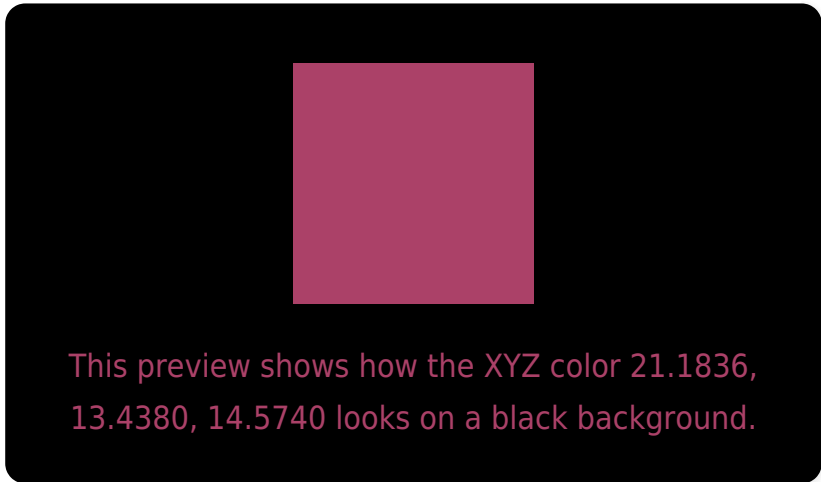
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

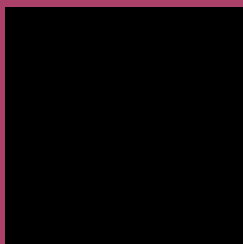
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.1836, 13.4380, 14.5740

Background



This preview shows how black text looks on a background with the XYZ color 21.1836, 13.4380, 14.5740.

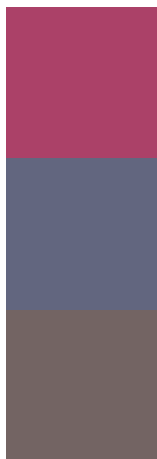


This preview shows how white text looks on a background with the XYZ color 21.1836, 13.4380,

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

21.1836, 13.4380, 14.5740

Protanopia

13.6191, 13.6317, 21.9921

Deuteranopia

13.8795, 13.6600, 13.7095



Tritanopia

19.9199, 13.4633, 8.3863

Trichromacy



Original Color

21.1836, 13.4380, 14.5740

Protanomaly

15.3596, 12.8366, 19.1209

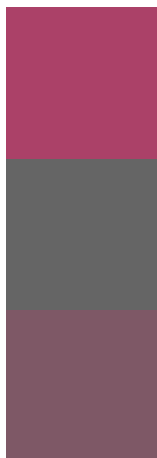
Deuteranomaly

15.7488, 12.9069, 13.9731

Tritanomaly

20.3854, 13.4742, 10.3304

Monochromacy



Original Color

21.1836, 13.4380, 14.5740

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.4922, 12.3744, 14.1950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1836, 13.4380, 14.5740 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(171, 65, 104)` looks like.

```
.text, #text, p{  
    color:rgb(171, 65, 104)  
}
```

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(171, 65, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 65, 104) }
```

Border

The CSS property to change the border of an element to XYZ 21.1836, 13.4380, 14.5740 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(171, 65, 104) }
```


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

```
.border{ border-color:rgb(171, 65, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 65, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 65, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 65, 104);  
box-shadow:4px 4px 4px 4px rgb(171, 65,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1836, 13.4380, 14.5740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 65, 104) }
```

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

```
.background{ background-color: rgb(171, 65,  
104) }
```

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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