

Converting Colors

XYZ(19.9243, 12.5881, 14.4067)

Have a look what the booklet for
XYZ(19.9243, 12.5881, 14.4067)
contains.

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Color

**XYZ(20.0021, 12.6615,
14.4864)**

Conversions

Conversions Part 1

Format	Color
Hex	A63F68
RGB	166, 63, 104
RGB Percent	65%, 25%, 41%
CMY	0.3490, 0.7529, 0.5922
CMYK	0.00, 0.62, 0.37, 0.35
HSL	336°, 45%, 45%
HSV	336°, 62%, 65%
XYZ	20.0021, 12.6615, 14.4864
YIQ	98.4710, 48.2270, 34.5870

Conversions

Conversions Part 2

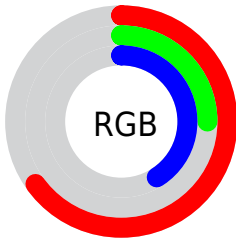
Format	Color
RYB	166, 63, 104
Decimal	10895208
CIELab	42.25, 46.33, -1.67
CIElCh	42, 46.364, 357.933
Yxy	12.6615, 0.4242, 0.2685
Android (android.graphics.Color)	4289085288 (0xFFA63F68)
YUV	98.4710, 2.7258, 59.2229
Hunter-Lab	35.5830, 38.0691, 0.7702

Details

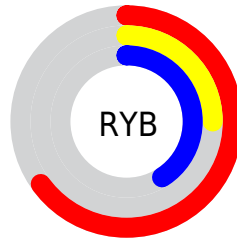
The XYZ color **20.0021, 12.6615, 14.4864** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.3885, 29.8102, 24.1360**, and the grayscale version is **11.7124, 12.3224, 13.4191**.

A 20% lighter version of the original color is **42.9023, 30.7046, 34.6757**, and **7.1689, 3.6104, 4.1899** is the 20% darker color. If you saturate the color by 10%, you get **18.7396, 10.9012, 11.7079**, and if you desaturate by 10%, it is **21.6027, 15.0015, 17.6746**.

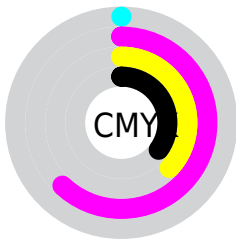
Distribution



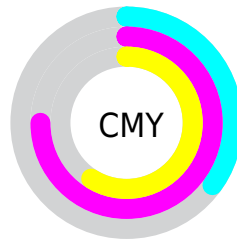
- Red (65%)
- Green (25%)
- Blue (41%)



- Red (65%)
- Yellow (25%)
- Blue (41%)



- Cyan (0%)
- Magenta (62%)
- Yellow (37%)
- Black (35%)



- Cyan (35%)
- Magenta (75%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0021, 12.6615, 14.4864 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 20.0021, 12.6615, 14.4864 by changing the saturation by 10% instead.

■ 20.0021, 12.6615,
14.4864

■ 20.0021, 12.6615,
14.4864

244.7598,
208.7367, 231.7688

■ 12.5048, 7.1959,
8.3171

■ 42.9246, 30.6943,
34.6791

■ 7.1631, 3.5849,
4.2079

■ 59.0806, 44.0303,
49.5396

■ 3.6116, 1.4442,
1.7401

■ 78.8535, 60.7585,
68.1342

■ 1.4848, 0.2489,
0.3880

■ 102.6087, 81.2633,
90.8816

■ 0.3155, 0.0000,
0.0000

■ 130.7116,
105.9291, 118.2002

■ 0.0000, 0.0000,
0.0000

163.5275,

135.1404, 150.5086

201.4218,
169.2815, 188.2252

■ 20.0021, 12.6615,
14.4864

■ 20.0021, 12.6615,
14.4864

■ 18.7396, 10.9012,
11.7079

■ 21.6027, 15.0015,
17.6746

■ 17.7861, 9.6661,
9.3189

■ 23.5648, 17.9653,
21.2898

■ 17.1092, 8.8949,
7.2976

■ 25.9110, 21.5947,
25.3490

■ 16.7114, 8.5012,
5.9256

■ 28.6616, 25.9274,
29.8680

■ 31.8355, 30.9985,
34.8616

■ 35.4502, 36.8405,
40.3441

■ 39.5224, 43.4839,
46.3289

■ 44.0678, 50.9577,
52.8290

■ 49.1014, 59.2894,
59.8569

Harmonies

Analogous

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



18.6143, 12.6615, 26.6107



20.0021, 12.6615, 14.4864



18.9378, 12.6615, 6.6369

Triad

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



20.0021, 12.6615, 14.4864



9.1737, 12.6615, 2.8622



8.8305, 12.6615, 37.1222

Complementary

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



20.0021, 12.6615, 14.4864



19.3885, 29.8102, 24.1360

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.



7.0529, 12.6615, 24.8041



20.0021, 12.6615, 14.4864



7.2227, 12.6615, 5.9308

Square

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



20.0021, 12.6615, 14.4864



12.2764, 12.6615, 2.1545



6.5257, 12.6615, 13.1090



11.7955, 12.6615, 43.0243

Rectangle

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



20.0021, 12.6615, 14.4864



17.0766, 12.6615, 3.9147



6.5257, 12.6615, 13.1090



8.0974, 12.6615, 33.3732

Sweetspot

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



20.0025, 12.6622, 14.4866



53.4916, 49.3987, 56.5611



17.0894, 10.6540, 37.2321



11.6323, 10.5169, 12.1171



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.



20.0025, 12.6622, 14.4866



33.3746, 18.9372, 19.7281



19.0259, 13.2713, 6.2623



7.6502, 7.5899, 8.4750



12.9807, 6.6010, 4.7097



0.3412, 0.1707, 0.2481

Inverse Universe

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



20.0025, 12.6622, 14.4866



33.3746, 18.9372, 19.7281



20.7715, 27.4867, 40.2871



7.6502, 7.5899, 8.4750



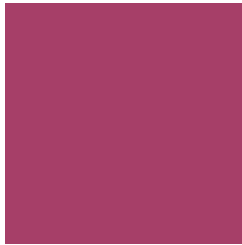
12.9807, 6.6010, 4.7097



0.3412, 0.1707, 0.2481

Previews

White Background



This preview shows how the XYZ color 20.0021, 12.6615, 14.4864 looks on a white background.

Color Contrast Check

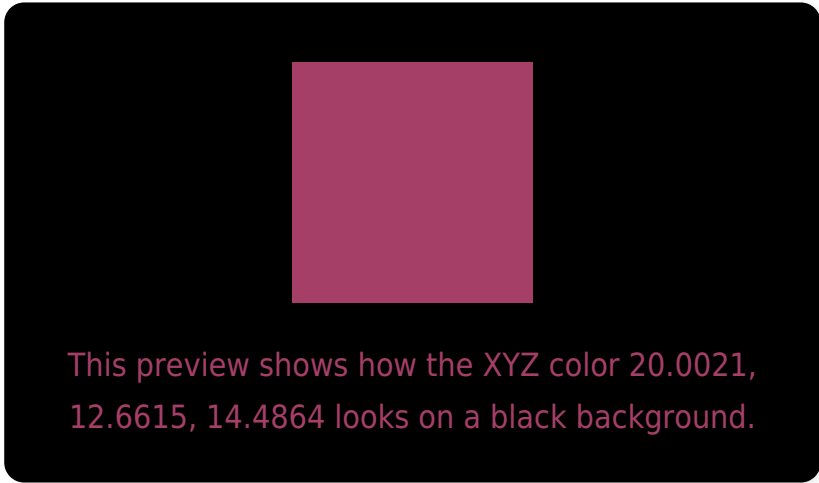
Large Text (above 18pt) WCAG AA ✓ Pass

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

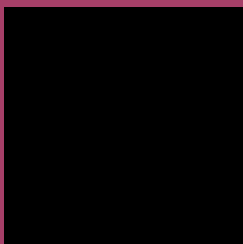
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0021, 12.6615, 14.4864

Background



This preview shows how black text looks on a background with the XYZ color 20.0021, 12.6615, 14.4864.



This preview shows how white text looks on a background with the XYZ color 20.0021, 12.6615,

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

20.0021, 12.6615, 14.4864

Protanopia

12.9087, 12.8357, 21.8758

Deuteranopia

13.0824, 12.8297, 13.5913



Tritanopia

18.6740, 12.6432, 7.9347

Trichromacy



Original Color

20.0021, 12.6615, 14.4864

Protanomaly

14.4033, 11.9806, 19.0061

Deuteranomaly

14.9575, 12.2619, 13.8903

Tritanomaly

19.1639, 12.6695, 10.0297

Monochromacy



Original Color

20.0021, 12.6615, 14.4864

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.7171, 11.6281, 13.5781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0021, 12.6615, 14.4864 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(166, 63, 104)` looks like.

```
.text, #text, p{  
    color:rgb(166, 63, 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(166, 63, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 63, 104) }
```

Border

The CSS property to change the border of an element to XYZ 20.0021, 12.6615, 14.4864 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(166, 63, 104) }
```


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

```
.border{ border-color:rgb(166, 63, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 63, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 63, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 63, 104);  
box-shadow:4px 4px 4px 4px rgb(166, 63,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0021, 12.6615, 14.4864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 63, 104) }
```

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

```
.background{ background-color: rgb(166, 63,  
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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