

Converting Colors

XYZ(21.4178, 16.0354, 29.6010)

Have a look what the booklet for
XYZ(21.4178, 16.0354, 29.6010)
contains.

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Color

**XYZ(21.4020, 15.9783,
29.5599)**

Conversions

Conversions Part 1

Format	Color
Hex	955B93
RGB	149, 91, 147
RGB Percent	58%, 36%, 58%
CMY	0.4157, 0.6431, 0.4235
CMYK	0.00, 0.39, 0.01, 0.42
HSL	302°, 24%, 47%
HSV	302°, 39%, 58%
XYZ	21.4020, 15.9783, 29.5599
YIQ	114.7260, 16.5920, 29.7120

Conversions

Conversions Part 2

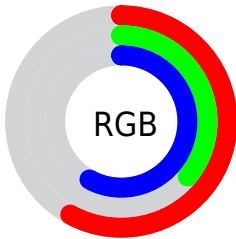
Format	Color
R_{YB}	149, 91, 147
Decimal	9788307
CIE _{Lab}	46.95, 32.87, -20.97
CIE _{LCh}	47, 38.991, 327.457
Yxy	15.9783, 0.3197, 0.2387
Android (android.graphics.Color)	4287978387 (0xFF955B93)
YUV	114.7260, 15.9111, 30.0583
Hunter-Lab	39.9729, 25.6187, -15.8639

Details

The XYZ color **21.4020, 15.9783, 29.5599** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **17.0383, 24.5100, 14.1897**, and the grayscale version is **16.1631, 17.0049, 18.5183**.

A 20% lighter version of the original color is **45.1175, 36.4004, 59.9064**, and **7.9050, 5.1137, 11.6367** is the 20% darker color. If you saturate the color by 10%, you get **20.2125, 13.6633, 28.9650**, and if you desaturate by 10%, it is **22.8457, 18.8006, 30.2407**.

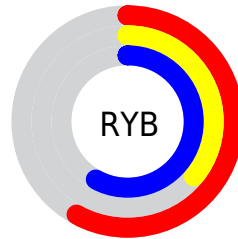
Distribution



Red (58%)

Green (36%)

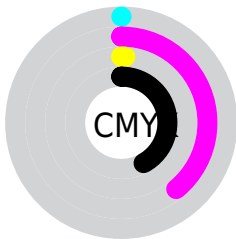
Blue (58%)



Red (58%)

Yellow (36%)

Blue (58%)

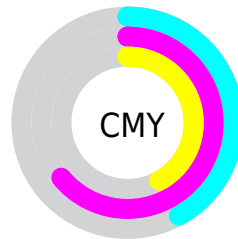


Cyan (0%)

Magenta (39%)

Yellow (1%)

Black (42%)



Cyan (42%)

Magenta (64%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4020, 15.9783, 29.5599 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 21.4020, 15.9783, 29.5599 by changing the saturation by 10% instead.

■ 21.4020, 15.9783,
29.5599

■ 21.4020, 15.9783,
29.5599

252.0987,
229.2136, 313.9908

■ 13.5323, 9.5088,
19.2556

■ 45.2419, 36.5605,
60.0182

■ 7.8756, 5.0745,
11.6764

■ 61.9428, 51.4420,
81.0093

■ 4.0666, 2.2910,
6.4039

■ 82.3181, 69.8964,
106.3998

■ 1.7399, 0.7690,
3.0195

■ 106.7332, 92.3079,
136.6081

■ 0.4810, 0.0000,
1.1046

135.5535,
119.0609, 172.0528

■ 0.0000, 0.0000,
0.0000

169.1442,

150.5400, 213.1525

207.8709,
187.1294, 260.3256

■ 21.4020, 15.9783,
29.5599

■ 21.4020, 15.9783,
29.5599

■ 20.2125, 13.6633,
28.9650

■ 22.8457, 18.8006,
30.2407

■ 19.2604, 11.8234,
28.4500

■ 24.5557, 22.1557,
31.0111

■ 18.5298, 10.4259,
28.0097

■ 26.5455, 26.0700,
31.8756

■ 18.0018, 9.4334,
27.6378

■ 28.8269, 30.5673,
32.8382

■ 17.6545, 8.8021,
27.3270

■ 31.4113, 35.6703,
33.9026

■ 17.4397, 8.4355,
27.0613

■ 34.3094, 41.4003,
35.0726

■ 17.4181, 8.3991,
27.0332

■ 37.5313, 47.7777,
36.3513

■ 41.0867, 54.8218,
37.7422

■ 44.9850, 62.5513,
39.2482

Harmonies

Analogous

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



18.4103, 15.9783, 39.9055



21.4020, 15.9783, 29.5599



22.7120, 15.9783, 18.2431

Triad

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



21.4020, 15.9783, 29.5599



15.4793, 15.9783, 4.5838



10.0863, 15.9783, 27.5549

Complementary

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



21.4020, 15.9783, 29.5599



17.0383, 24.5100, 14.1897

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.



9.5400, 15.9783, 16.5788



21.4020, 15.9783, 29.5599



12.3636, 15.9783, 5.4993

Square

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



21.4020, 15.9783, 29.5599



18.9883, 15.9783, 5.8945



10.3091, 15.9783, 9.1344



11.9300, 15.9783, 38.4757

Rectangle

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



21.4020, 15.9783, 29.5599



22.3282, 15.9783, 12.3569



10.3091, 15.9783, 9.1344



9.7581, 15.9783, 23.6509

Sweetspot

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



21.4025, 15.9790, 29.5602



46.2991, 44.2469, 56.5511



13.6741, 11.9765, 30.0253



10.1693, 9.6262, 12.4930



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.4025, 15.9790, 29.5602



36.3851, 24.8331, 51.9687



19.4101, 15.1821, 19.0684



6.0268, 5.9058, 7.2471



14.6619, 7.0698, 22.7641



0.1816, 0.0874, 0.2901

Inverse Universe

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



21.4025, 15.9790, 29.5602



36.3851, 24.8331, 51.9687



18.5712, 25.1231, 22.2619



6.0268, 5.9058, 7.2471



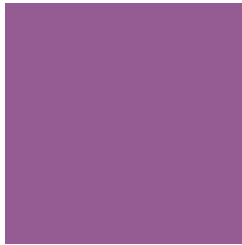
14.6619, 7.0698, 22.7641



0.1816, 0.0874, 0.2901

Previews

White Background



This preview shows how the XYZ color 21.4020, 15.9783, 29.5599 looks on a white background.

Color Contrast Check

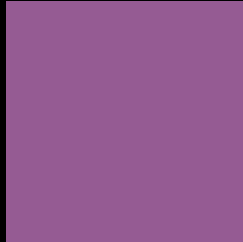
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4020, 15.9783, 29.5599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

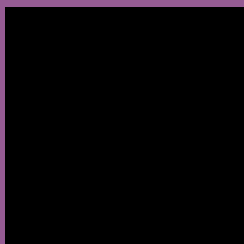
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.4020, 15.9783, 29.5599

Background



This preview shows how black text looks on a background with the XYZ color 21.4020, 15.9783, 29.5599.



This preview shows how white text looks on a background with the XYZ color 21.4020, 15.9783,

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

21.4020, 15.9783, 29.5599

Protanopia

16.8168, 16.1934, 36.4217

Deuteranopia

16.5538, 16.2296, 28.6457



Tritanopia

18.6173, 15.9145, 16.0005

Trichromacy



Original Color

21.4020, 15.9783, 29.5599

Protanomaly

18.0063, 15.7797, 33.9950

Deuteranomaly

17.9871, 15.8824, 28.9056

Tritanomaly

19.5498, 15.8819, 20.4475

Monochromacy



Original Color

21.4020, 15.9783, 29.5599

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.7372, 16.3524, 22.3002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4020, 15.9783, 29.5599 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(149, 91, 147)` looks like.

```
.text, #text, p{  
    color:rgb(149, 91, 147)  
}
```

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(149, 91, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 91, 147) }
```

Border

The CSS property to change the border of an element to XYZ 21.4020, 15.9783, 29.5599 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(149, 91, 147) }
```


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

```
.border{ border-color:rgb(149, 91, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 91, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 91, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 91, 147);  
box-shadow:4px 4px 4px 4px rgb(149, 91,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4020, 15.9783, 29.5599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 91, 147) }
```

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

```
.background{ background-color: rgb(149, 91,  
147) }
```

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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