

Converting Colors

XYZ(21.6170, 14.8476, 40.8697)

Have a look what the booklet for
XYZ(21.6170, 14.8476, 40.8697)
contains.

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Color

**XYZ(21.6950, 14.9159,
40.7653)**

Conversions

Conversions Part 1

Format	Color
Hex	8E53AC
RGB	142, 83, 172
RGB Percent	56%, 33%, 67%
CMY	0.4431, 0.6745, 0.3255
CMYK	0.17, 0.52, 0.00, 0.33
HSL	280°, 35%, 50%
HSV	280°, 52%, 67%
XYZ	21.6950, 14.9159, 40.7653
YIQ	110.7870, 6.5950, 40.1870

Conversions

Conversions Part 2

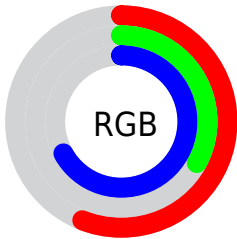
Format	Color
R_{YB}	142, 83, 172
Decimal	9327532
CIE _{Lab}	45.52, 40.40, -38.08
CIE _{LCh}	46, 55.520, 316.695
Yxy	14.9159, 0.2804, 0.1928
Android (android.graphics.Color)	4287517612 (0xFF8E53AC)
YUV	110.7870, 30.1780, 27.3738
Hunter-Lab	38.6211, 32.6836, -35.5469

Details

The XYZ color **21.6950, 14.9159, 40.7653** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **23.1243, 33.6406, 13.4588**, and the grayscale version is **14.9624, 15.7416, 17.1426**.

A 20% lighter version of the original color is **45.5546, 34.5219, 77.6612**, and **8.0216, 4.5998, 17.9178** is the 20% darker color. If you saturate the color by 10%, you get **19.5697, 12.1034, 40.3347**, and if you desaturate by 10%, it is **24.1996, 18.4092, 41.3078**.

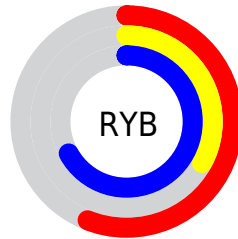
Distribution



Red (56%)

Green (33%)

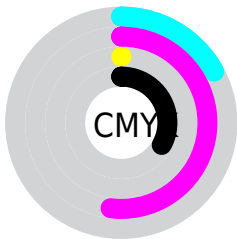
Blue (67%)



Red (56%)

Yellow (33%)

Blue (67%)

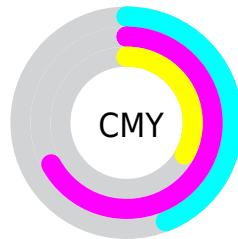


Cyan (17%)

Magenta (52%)

Yellow (0%)

Black (33%)



Cyan (44%)

Magenta (67%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6950, 14.9159, 40.7653 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 21.6950, 14.9159, 40.7653 by changing the saturation by 10% instead.

■ 21.6950, 14.9159,
40.7653

■ 21.6950, 14.9159,
40.7653

253.6117,
222.8566, 364.9863

■ 13.7483, 8.7604,
27.8174

■ 45.7240, 34.7056,
77.5773

■ 8.0263, 4.5852,
17.9502

■ 62.5370, 49.1085,
102.2785

■ 4.1638, 2.0060,
10.7452

■ 83.0362, 67.0294,
131.7345

■ 1.7952, 0.6110,
5.7838

■ 107.5869, 88.8526,
166.3639

■ 0.5148, 0.0000,
2.6474

■ 136.5544,
114.9625, 206.5853

■ 0.0000, 0.0000,
0.9168

170.3041,

■ 0.0000, 0.0000,

145.7436, 252.8171

0.0000

209.2015,
181.5802, 305.4779

■ 21.6950, 14.9159,
40.7653

■ 21.6950, 14.9159,
40.7653

■ 19.5697, 12.1034,
40.3347

■ 24.1996, 18.4092,
41.3078

■ 17.7966, 9.9202,
40.0067

■ 27.1047, 22.6259,
41.9686

■ 16.3474, 8.3103,
39.7724

■ 30.4317, 27.6074,
42.7548

■ 15.1881, 7.2067,
39.6205

■ 34.1999, 33.3912,
43.6726

■ 14.3889, 6.5576,
39.5373

■ 38.4275, 40.0126,
44.7278

■ 43.1314, 47.5044,
45.9259

■ 48.3278, 55.8978,
47.2721

■ 54.0319, 65.2224,
48.7713

■ 60.2584, 75.5066,
50.4282

Harmonies

Analogous

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



16.8923, 14.9159, 54.9646



21.6950, 14.9159, 40.7653



24.7289, 14.9159, 22.8457

Triad

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



21.6950, 14.9159, 40.7653



16.3269, 14.9159, 1.9178



7.2436, 14.9159, 24.7243

Complementary

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



21.6950, 14.9159, 40.7653



23.1243, 33.6406, 13.4588

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.



7.1569, 14.9159, 11.0501



21.6950, 14.9159, 40.7653



11.7697, 14.9159, 2.0133

Square

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



21.6950, 14.9159, 40.7653



21.2042, 14.9159, 3.8535



8.6340, 14.9159, 4.2770



8.9044, 14.9159, 42.7673

Rectangle

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



21.6950, 14.9159, 40.7653



24.9882, 14.9159, 13.4454



8.6340, 14.9159, 4.2770



7.0444, 14.9159, 19.3992

Sweetspot

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



21.6956, 14.9165, 40.7656



58.8355, 55.6236, 78.4412



17.0485, 16.8867, 41.3909



12.4942, 11.6404, 16.9760



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.



21.6956, 14.9165, 40.7656



35.0252, 21.3498, 73.0807



26.3346, 17.4488, 34.6222



8.0709, 8.0108, 10.0736



10.7678, 4.9109, 29.4249



0.3547, 0.1650, 0.8211

Inverse Universe

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



23.0876, 16.1500, 17.5237



38.3109, 24.1218, 24.5270



20.4478, 32.1954, 16.2883



8.1125, 8.0582, 8.9031



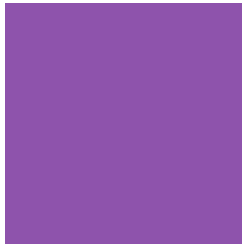
13.2519, 6.7633, 3.7059



0.3946, 0.1985, 0.2397

Previews

White Background



This preview shows how the XYZ color 21.6950, 14.9159, 40.7653 looks on a white background.

Color Contrast Check

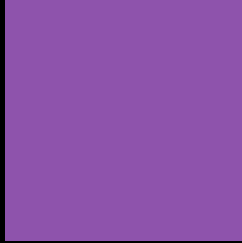
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6950, 14.9159, 40.7653 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 21.6950, 14.9159, 40.7653

Background



This preview shows how black text looks on a background with the XYZ color 21.6950, 14.9159, 40.7653.



This preview shows how white text looks on a background with the XYZ color 21.6950, 14.9159,

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

21.6950, 14.9159, 40.7653

Protanopia

16.9920, 15.1467, 52.4801

Deuteranopia

15.4795, 15.1348, 38.6647



Tritanopia

16.6314, 14.8908, 15.9076

Trichromacy



Original Color

21.6950, 14.9159, 40.7653

Protanomaly

17.6477, 14.4319, 47.7544

Deuteranomaly

16.9901, 14.5550, 39.4500

Tritanomaly

18.1644, 14.7016, 23.3531

Monochromacy



Original Color

21.6950, 14.9159, 40.7653

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.9134, 15.1384, 24.2209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6950, 14.9159, 40.7653 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(142, 83, 172)` looks like.

```
.text, #text, p{  
    color:rgb(142, 83, 172)  
}
```

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(142, 83, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 83, 172) }
```

Border

The CSS property to change the border of an element to XYZ 21.6950, 14.9159, 40.7653 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(142, 83, 172) }
```


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

```
.border{ border-color:rgb(142, 83, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 83, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 83, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 83, 172);  
box-shadow:4px 4px 4px 4px rgb(142, 83,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6950, 14.9159, 40.7653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 83, 172) }
```

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

```
.background{ background-color: rgb(142, 83,  
172) }
```

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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