

Converting Colors

XYZ(21.9167, 14.5834, 42.5613)

Have a look what the booklet for
XYZ(21.9167, 14.5834, 42.5613)
contains.

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Color

**XYZ(21.9601, 14.5662,
42.7284)**

Conversions

Conversions Part 1

Format	Color
Hex	8F4FB0
RGB	143, 79, 176
RGB Percent	56%, 31%, 69%
CMY	0.4392, 0.6902, 0.3098
CMYK	0.19, 0.55, 0.00, 0.31
HSL	280°, 38%, 50%
HSV	280°, 55%, 69%
XYZ	21.9601, 14.5662, 42.7284
YIQ	109.1940, 7.0070, 43.7350

Conversions

Conversions Part 2

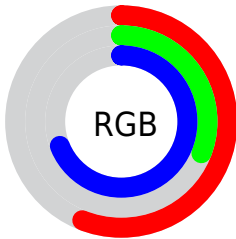
Format	Color
R_{YB}	143, 79, 176
Decimal	9392048
CIE _{Lab}	45.03, 43.73, -41.19
CIE _{LCh}	45, 60.077, 316.711
Yxy	14.5662, 0.2771, 0.1838
Android (android.graphics.Color)	4287582128 (0xFF8F4FB0)
YUV	109.1940, 32.9354, 29.6479
Hunter-Lab	38.1657, 35.9169, -39.6621

Details

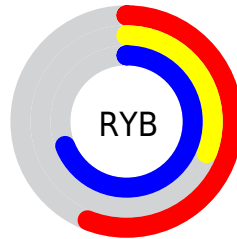
The XYZ color **21.9601, 14.5662, 42.7284** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **23.6192, 35.0603, 12.9202**, and the grayscale version is **14.4995, 15.2546, 16.6122**.

A 20% lighter version of the original color is **46.2350, 34.2009, 80.5085**, and **8.2069, 4.4342, 19.1622** is the 20% darker color. If you saturate the color by 10%, you get **19.8457, 11.8348, 42.3129**, and if you desaturate by 10%, it is **24.4671, 17.9994, 43.2592**.

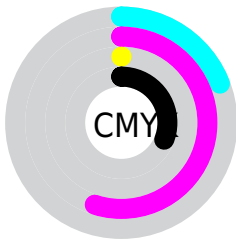
Distribution



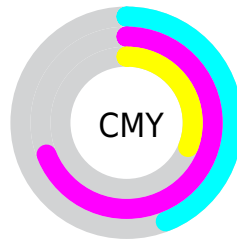
- Red (56%)
- Green (31%)
- Blue (69%)



- Red (56%)
- Yellow (31%)
- Blue (69%)



- Cyan (19%)
- Magenta (55%)
- Yellow (0%)
- Black (31%)



- Cyan (44%)
- Magenta (69%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9601, 14.5662, 42.7284 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 21.9601, 14.5662, 42.7284 by changing the saturation by 10% instead.

■ 21.9601, 14.5662,
42.7284

■ 21.9601, 14.5662,
42.7284

254.9741,
220.7253, 373.3820

■ 13.9440, 8.5155,
29.3422

■ 46.1594, 34.0903,
80.5828

■ 8.1632, 4.4265,
19.0921

■ 63.0733, 48.3326,
105.8881

■ 4.2522, 1.9149,
11.5593

■ 83.6839, 66.0741,
136.0036

■ 1.8458, 0.5573,
6.3255

■ 108.3565, 87.6994,
171.3477

■ 0.5450, 0.0000,
2.9720

■ 137.4564,
113.5927, 212.3391

■ 0.0000, 0.0000,
1.0804

171.3491,

■ 0.0000, 0.0000,

144.1386, 259.3963

0.0000

210.3999,
179.7213, 312.9377

■ 21.9601, 14.5662,
42.7284

■ 21.9601, 14.5662,
42.7284

■ 19.8457, 11.8348,
42.3129

■ 24.4671, 17.9994,
43.2592

■ 18.0940, 9.7487,
42.0025

■ 27.3899, 22.1814,
43.9123

■ 16.6735, 8.2453,
41.7872

■ 30.7519, 27.1572,
44.6956

■ 15.5446, 7.2469,
41.6540

■ 34.5741, 32.9676,
45.6156

■ 15.0555, 6.8561,
41.6044

■ 38.8761, 39.6506,
46.6789

■ 43.6762, 47.2418,
47.8911

■ 48.9918, 55.7749,
49.2580

■ 54.8395, 65.2816,
50.7848

■ 61.2348, 75.7924,
52.4765

Harmonies

Analogous

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



16.7551, 14.5662, 58.6957



21.9601, 14.5662, 42.7284



25.2792, 14.5662, 22.9592

Triad

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



21.9601, 14.5662, 42.7284



16.1414, 14.5662, 1.3918



6.6025, 14.5662, 25.0235

Complementary

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



21.9601, 14.5662, 42.7284



23.6192, 35.0603, 12.9202

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.



6.5134, 14.5662, 10.3998



21.9601, 14.5662, 42.7284



11.2925, 14.5662, 1.4763

Square

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



21.9601, 14.5662, 42.7284



21.4198, 14.5662, 3.1660



8.0247, 14.5662, 3.5742



8.3064, 14.5662, 44.9882

Rectangle

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



21.9601, 14.5662, 42.7284



25.5626, 14.5662, 12.8927



8.0247, 14.5662, 3.5742



6.3997, 14.5662, 19.2512

Sweetspot

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



21.9607, 14.5668, 42.7287



61.1175, 57.3560, 82.3449



16.9610, 16.5966, 43.3840



12.9465, 11.9740, 17.7732



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.9607, 14.5668, 42.7287



35.2923, 20.5995, 76.6113



27.1737, 17.4117, 35.8556



8.5637, 8.4991, 10.6955



11.1109, 5.0636, 30.5288



0.4090, 0.1899, 0.9633

Inverse Universe

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



23.6255, 15.9925, 17.1715



39.1992, 23.7934, 23.4914



20.7505, 33.5134, 15.8598



8.6117, 8.5514, 9.4536



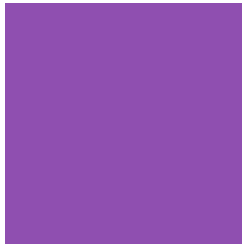
13.7579, 7.0207, 3.8849



0.4609, 0.2321, 0.2696

Previews

White Background



This preview shows how the XYZ color 21.9601, 14.5662, 42.7284 looks on a white background.

Color Contrast Check

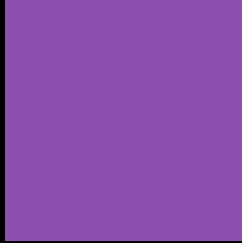
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9601, 14.5662, 42.7284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

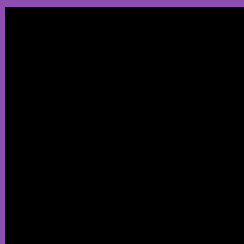
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.9601, 14.5662, 42.7284

Background



This preview shows how black text looks on a background with the XYZ color 21.9601, 14.5662, 42.7284.



This preview shows how white text looks on a background with the XYZ color 21.9601, 14.5662,

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

21.9601, 14.5662, 42.7284

Protanopia

17.0065, 14.9115, 56.6254

Deuteranopia

15.2069, 14.7953, 40.5824



Tritanopia

16.3402, 14.4748, 15.2973

Trichromacy



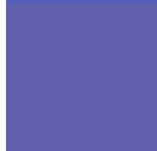
Original Color

21.9601, 14.5662, 42.7284



Protanomaly

17.5207, 14.0207, 51.0730



Deuteranomaly

16.7473, 14.1079, 41.3756



Tritanomaly

17.9062, 14.1853, 23.2670

Monochromacy



Original Color

21.9601, 14.5662, 42.7284



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

16.4865, 14.4938, 24.1189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9601, 14.5662, 42.7284 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(143, 79, 176)` looks like.

```
.text, #text, p{  
    color:rgb(143, 79, 176)  
}
```

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(143, 79, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 79, 176) }
```

Border

The CSS property to change the border of an element to XYZ 21.9601, 14.5662, 42.7284 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(143, 79, 176) }
```


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

```
.border{ border-color:rgb(143, 79, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 79, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 79, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 79, 176);  
box-shadow:4px 4px 4px 4px rgb(143, 79,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9601, 14.5662, 42.7284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 79, 176) }
```

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

```
.background{ background-color: rgb(143, 79,  
176) }
```

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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