

Converting Colors

XYZ(21.0196, 12.5420, 32.7654)

Have a look what the booklet for
XYZ(21.0196, 12.5420, 32.7654)
contains.

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Color

**XYZ(20.9430, 12.5020,
32.7618)**

Conversions

Conversions Part 1

Format	Color
Hex	9A3C9C
RGB	154, 60, 156
RGB Percent	60%, 24%, 61%
CMY	0.3961, 0.7647, 0.3882
CMYK	0.01, 0.62, 0.00, 0.39
HSL	299°, 44%, 42%
HSV	299°, 62%, 61%
XYZ	20.9430, 12.5020, 32.7618
YIQ	99.0500, 25.2080, 49.7840

Conversions

Conversions Part 2

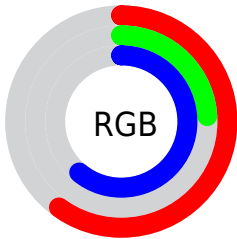
Format	Color
RYB	154, 60, 156
Decimal	10108060
CIELab	42.00, 51.98, -34.01
CIELCh	42, 62.123, 326.803
Yxy	12.5020, 0.3163, 0.1888
Android (android.graphics.Color)	4288298140 (0xFF9A3C9C)
YUV	99.0500, 28.0764, 48.1912
Hunter-Lab	35.3582, 43.8506, -30.1856

Details

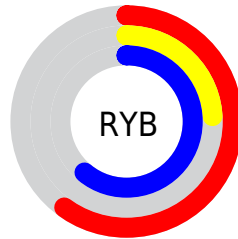
The XYZ color **20.9430, 12.5020, 32.7618** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **14.6911, 25.1276, 8.3513**, and the grayscale version is **11.7999, 12.4144, 13.5193**.

A 20% lighter version of the original color is **44.5270, 30.3623, 65.1417**, and **7.7542, 3.7088, 13.4039** is the 20% darker color. If you saturate the color by 10%, you get **20.1814, 11.0702, 32.5257**, and if you desaturate by 10%, it is **21.9466, 14.4168, 33.0787**.

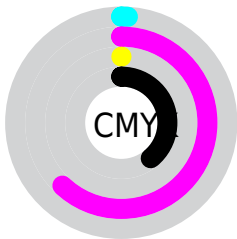
Distribution



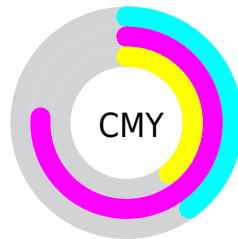
- Red (60%)
- Green (24%)
- Blue (61%)



- Red (60%)
- Yellow (24%)
- Blue (61%)



- Cyan (1%)
- Magenta (62%)
- Yellow (0%)
- Black (39%)



- Cyan (40%)
- Magenta (76%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9430, 12.5020, 32.7618 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 20.9430, 12.5020, 32.7618 by changing the saturation by 10% instead.

■ 20.9430, 12.5020,
32.7618

■ 20.9430, 12.5020,
32.7618

249.7129,
207.7009, 329.1741

■ 13.1946, 7.0865,
21.6744

■ 44.4846, 30.4062,
65.1152

■ 7.6406, 3.5163,
13.4218

■ 61.0086, 43.6636,
87.2183

■ 3.9157, 1.4068,
7.5855

■ 81.1884, 60.3039,
113.8303

■ 1.6546, 0.2218,
3.7470

■ 105.3894, 80.7114,
145.3699

■ 0.4276, 0.0000,
1.4876

■ 133.9770,
105.2704, 182.2555

■ 0.0000, 0.0000,
0.2086

167.3165,

■ 0.0000, 0.0000,

134.3654, 224.9057

0.0000

205.7734,
168.3808, 273.7390

■ 20.9430, 12.5020,
32.7618

■ 20.9430, 12.5020,
32.7618

■ 20.1814, 11.0702,
32.5257

■ 21.9466, 14.4168,
33.0787

■ 19.6386, 10.0760,
32.3625

■ 23.2100, 16.8515,
33.4820

■ 19.2891, 9.4683,
32.2636

■ 24.7510, 19.8410,
33.9779

■ 19.0907, 9.1484,
32.2123

■ 26.5854, 23.4172,
34.5714

■ 28.7278, 27.6091,
35.2676

■ 31.1919, 32.4440,
36.0710

■ 33.9904, 37.9477,
36.9858

■ 37.1356, 44.1443,
38.0161

■ 40.6389, 51.0570,
39.1657

Harmonies

Analogous

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



16.3413, 12.5020, 51.1300



20.9430, 12.5020, 32.7618



23.1025, 12.5020, 15.0768

Triad

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



20.9430, 12.5020, 32.7618



12.3836, 12.5020, 0.7266



5.6004, 12.5020, 28.5553

Complementary

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



20.9430, 12.5020, 32.7618



14.6911, 25.1276, 8.3513

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.



5.0514, 12.5020, 12.2463



20.9430, 12.5020, 32.7618



8.3194, 12.5020, 1.2039

Square

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



20.9430, 12.5020, 32.7618



17.4223, 12.5020, 1.5072



5.9049, 12.5020, 3.9115



7.6628, 12.5020, 47.7872

Rectangle

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



20.9430, 12.5020, 32.7618



22.5394, 12.5020, 7.5171



5.9049, 12.5020, 3.9115



5.2602, 12.5020, 22.3419

Sweetspot

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



20.9435, 12.5026, 32.7621



49.4619, 44.8293, 63.1727



9.6533, 6.9387, 32.2832



10.6615, 9.4300, 13.8286



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.9435, 12.5026, 32.7621



36.2227, 19.3070, 58.9442



18.2068, 11.4522, 16.3482



6.8905, 6.7475, 8.3459



15.7287, 7.5374, 26.5331



0.2851, 0.1368, 0.4746

Inverse Universe

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



16.1960, 10.6479, 5.7595



26.8951, 15.6746, 5.3730



16.2919, 25.7537, 17.4237



6.6384, 6.6483, 6.9468



11.3094, 5.8283, 0.6143



0.2037, 0.1048, 0.0186

Previews

White Background



This preview shows how the XYZ color 20.9430, 12.5020, 32.7618 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 20.9430, 12.5020, 32.7618

Background



This preview shows how black text looks on a background with the XYZ color 20.9430, 12.5020, 32.7618.



This preview shows how white text looks on a background with the XYZ color 20.9430, 12.5020,

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

20.9430, 12.5020, 32.7618

Protanopia

14.7879, 12.8955, 50.4249

Deuteranopia

12.9472, 12.6714, 30.1972



Tritanopia

16.4024, 12.5202, 10.3562

Trichromacy



Original Color

20.9430, 12.5020, 32.7618



Protanomaly

15.1367, 11.5812, 43.5571



Deuteranomaly

14.7417, 11.7673, 31.2001



Tritanomaly

17.6462, 12.3023, 16.4835

Monochromacy



Original Color

20.9430, 12.5020, 32.7618



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

14.2464, 11.7750, 19.2912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9430, 12.5020, 32.7618 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(154, 60, 156)` looks like.

```
.text, #text, p{  
    color:rgb(154, 60, 156)  
}
```

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(154, 60, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 60, 156) }
```

Border

The CSS property to change the border of an element to XYZ 20.9430, 12.5020, 32.7618 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(154, 60, 156) }
```


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

```
.border{ border-color:rgb(154, 60, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 60, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 60, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 60, 156);  
box-shadow:4px 4px 4px 4px rgb(154, 60,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9430, 12.5020, 32.7618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 60, 156) }
```

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

```
.background{ background-color: rgb(154, 60,  
156) }
```

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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