

Converting Colors

XYZ(20.6132, 12.5422, 34.1353)

Have a look what the booklet for
XYZ(20.6132, 12.5422, 34.1353)
contains.

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Color

**XYZ(20.6132, 12.5422,
34.1353)**

Conversions

Conversions Part 1

Format	Color
Hex	963F9F
RGB	150, 63, 159
RGB Percent	59%, 25%, 62%
CMY	0.4118, 0.7529, 0.3765
CMYK	0.06, 0.60, 0.00, 0.38
HSL	294°, 43%, 44%
HSV	294°, 60%, 62%
XYZ	20.6132, 12.5422, 34.1353
YIQ	99.9570, 21.0360, 48.3000

Conversions

Conversions Part 2

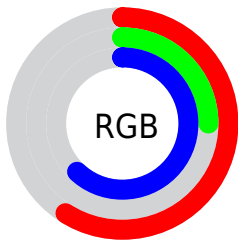
Format	Color
RYB	150, 63, 159
Decimal	9846687
CIELab	42.07, 50.12, -35.75
CIELCh	42, 61.568, 324.499
Yxy	12.5422, 0.3063, 0.1864
Android (android.graphics.Color)	4288036767 (0xFF963F9F)
YUV	99.9570, 29.1082, 43.8877
Hunter-Lab	35.4150, 41.9193, -32.3572

Details

The XYZ color **20.6132, 12.5422, 34.1353** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.9681, 26.5331, 8.9829**, and the grayscale version is **12.0270, 12.6534, 13.7795**.

A 20% lighter version of the original color is **43.8366, 30.4676, 67.1887**, and **7.4777, 3.5483, 14.2007** is the 20% darker color. If you saturate the color by 10%, you get **19.5841, 10.8882, 33.8705**, and if you desaturate by 10%, it is **21.9010, 14.7077, 34.4856**.

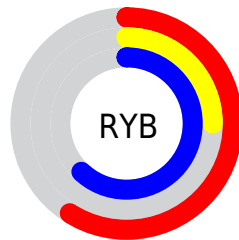
Distribution



Red (59%)

Green (25%)

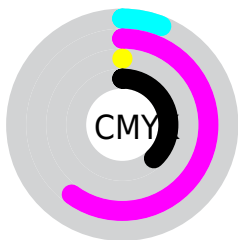
Blue (62%)



Red (59%)

Yellow (25%)

Blue (62%)

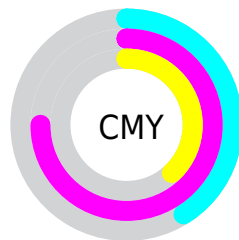


Cyan (6%)

Magenta (60%)

Yellow (0%)

Black (38%)



Cyan (41%)

Magenta (75%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6132, 12.5422, 34.1353 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 20.6132, 12.5422, 34.1353 by changing the saturation by 10% instead.

■ 20.6132, 12.5422,
34.1353

■ 20.6132, 12.5422,
34.1353

247.9865,
207.9625, 335.5225

■ 12.9524, 7.1141,
22.7194

■ 43.9390, 30.4788,
67.2803

■ 7.4726, 3.5335,
14.1831

■ 60.3348, 43.7561,
89.8465

■ 3.8083, 1.4162,
8.1079

■ 80.3729, 60.4186,
116.9664

■ 1.5943, 0.2286,
4.0753

■ 104.4188, 80.8507,
149.0588

■ 0.3887, 0.0000,
1.6667

■ 132.8377,
105.4367, 186.5420

■ 0.0000, 0.0000,
0.3378

165.9950,

■ 0.0000, 0.0000,

134.5611, 229.8347

0.0000

204.2562,
168.6082, 279.3553

■ 20.6132, 12.5422,
34.1353

■ 20.6132, 12.5422,
34.1353

■ 19.5841, 10.8882,
33.8705

■ 21.9010, 14.7077,
34.4856

■ 18.7897, 9.6988,
33.6828

■ 23.4661, 17.4228,
34.9272

■ 18.2039, 8.9215,
33.5636

■ 25.3268, 20.7240,
35.4663

■ 17.7763, 8.4411,
33.4934

■ 27.4995, 24.6439,
36.1084

■ 29.9994, 29.2132,
36.8586

■ 32.8409, 34.4600,
37.7216

■ 36.0371, 40.4112,
38.7018

■ 39.6007, 47.0919,
39.8035

■ 43.5438, 54.5261,
41.0306

Harmonies

Analogous

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



15.9539, 12.5422, 51.8074



20.6132, 12.5422, 34.1353



22.9973, 12.5422, 16.2169

Triad

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



20.6132, 12.5422, 34.1353



12.7844, 12.5422, 0.7859



5.5738, 12.5422, 26.9953

Complementary

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



20.6132, 12.5422, 34.1353



15.9681, 26.5331, 8.9829

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.



5.1332, 12.5422, 11.3806



20.6132, 12.5422, 34.1353



8.6323, 12.5422, 1.1663

Square

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



20.6132, 12.5422, 34.1353



17.7945, 12.5422, 1.7002



6.0974, 12.5422, 3.6282



7.5072, 12.5422, 46.1516

Rectangle

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



20.6132, 12.5422, 34.1353



22.6279, 12.5422, 8.2697



6.0974, 12.5422, 3.6282



5.2711, 12.5422, 20.9854

Sweetspot

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



20.6137, 12.5428, 34.1356



50.1109, 45.7028, 64.9238



10.6647, 8.2731, 33.8358



11.0344, 9.8253, 14.5586



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.6137, 12.5428, 34.1356



34.6051, 18.7786, 60.5442



19.5026, 12.2970, 19.3069



6.8428, 6.7230, 8.3437



14.0590, 6.6767, 26.4550



0.2674, 0.1276, 0.4738

Inverse Universe

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



17.2456, 11.3942, 7.4216



28.2736, 16.6750, 7.8208



16.8170, 26.8007, 16.7022



6.6571, 6.6557, 7.0452



11.3683, 5.8519, 0.9243



0.2098, 0.1072, 0.0508

Previews

White Background



This preview shows how the XYZ color 20.6132, 12.5422, 34.1353 looks on a white background.

Color Contrast Check

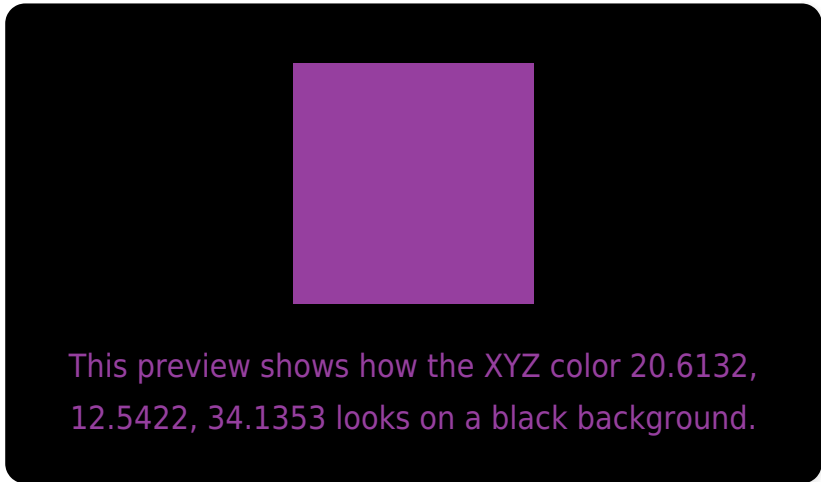
Large Text (above 18pt) WCAG AA ✓ Pass

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

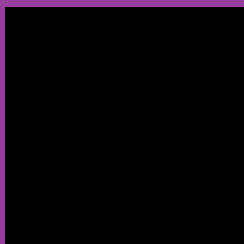
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.6132, 12.5422, 34.1353

Background



This preview shows how black text looks on a background with the XYZ color 20.6132, 12.5422, 34.1353.



This preview shows how white text looks on a background with the XYZ color 20.6132, 12.5422,

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

20.6132, 12.5422, 34.1353

Protanopia

14.8510, 12.9153, 51.0004

Deuteranopia

13.1310, 12.8701, 31.9291



Tritanopia

15.8809, 12.5705, 11.0405

Trichromacy



Original Color

20.6132, 12.5422, 34.1353



Protanomaly

15.0413, 11.6365, 44.1011



Deuteranomaly

14.8041, 12.0077, 32.5478



Tritanomaly

17.1233, 12.3131, 17.3938

Monochromacy



Original Color

20.6132, 12.5422, 34.1353



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

14.3306, 12.0484, 19.6594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6132, 12.5422, 34.1353 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(150, 63, 159)` looks like.

```
.text, #text, p{  
  color:rgb(150, 63, 159)  
}
```

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(150, 63, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 63, 159) }
```

Border

The CSS property to change the border of an element to XYZ 20.6132, 12.5422, 34.1353 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(150, 63, 159) }
```


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

```
.border{ border-color:rgb(150, 63, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 63, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 63, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 63, 159);  
box-shadow:4px 4px 4px 4px rgb(150, 63,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6132, 12.5422, 34.1353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 63, 159) }
```

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

```
.background{ background-color: rgb(150, 63,  
159) }
```

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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