

Converting Colors

XYZ(24.2156, 18.4953, 36.4761)

Have a look what the booklet for
XYZ(24.2156, 18.4953, 36.4761)
contains.

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Color

**XYZ(24.2156, 18.4953,
36.4761)**

Conversions

Conversions Part 1

Format	Color
Hex	9964A2
RGB	153, 100, 162
RGB Percent	60%, 39%, 64%
CMY	0.4000, 0.6078, 0.3647
CMYK	0.06, 0.38, 0.00, 0.36
HSL	291°, 25%, 51%
HSV	291°, 38%, 64%
XYZ	24.2156, 18.4953, 36.4761
YIQ	122.9150, 11.6860, 30.5180

Conversions

Conversions Part 2

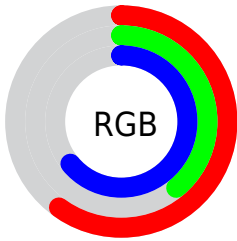
Format	Color
R _Y B	153, 100, 162
Decimal	10052770
CIE Lab	50.09, 32.10, -24.95
CIE LCh	50, 40.655, 322.137
Yxy	18.4953, 0.3058, 0.2336
Android (android.graphics.Color)	4288242850 (0xFF9964A2)
YUV	122.9150, 19.2689, 26.3845
Hunter-Lab	43.0062, 25.2477, -20.1831

Details

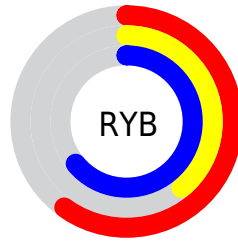
The XYZ color **24.2156, 18.4953, 36.4761** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.5280, 30.0125, 16.7159**, and the grayscale version is **18.7351, 19.7108, 21.4651**.

A 20% lighter version of the original color is **49.7650, 40.8761, 70.9126**, and **9.3651, 6.2601, 15.4666** is the 20% darker color. If you saturate the color by 10%, you get **22.3742, 15.4647, 35.9885**, and if you desaturate by 10%, it is **26.3759, 22.1500, 37.0679**.

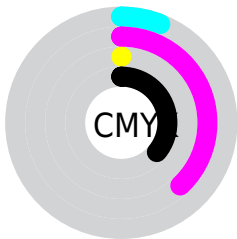
Distribution



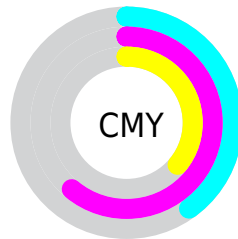
- Red (60%)
- Green (39%)
- Blue (64%)



- Red (60%)
- Yellow (39%)
- Blue (64%)



- Cyan (6%)
- Magenta (38%)
- Yellow (0%)
- Black (36%)





- Cyan (40%)
- Magenta (61%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2156, 18.4953, 36.4761 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 24.2156, 18.4953, 36.4761 by changing the saturation by 10% instead.


 24.2156, 18.4953,
36.4761


 24.2156, 18.4953,
36.4761


266.3290,
243.6482, 346.1369


 15.6192, 11.3062,
24.5095


 49.8339, 40.8795,
70.9436


 9.3443, 6.2732,
15.4963


 67.5866, 56.8434,
94.2816

 5.0253, 3.0119,
9.0180


 89.1220, 76.5010,
122.2471

 2.2970, 1.1379,
4.6559

 114.8057,
100.2366, 155.2587

 0.7931, 0.0101,
1.9917

145.0028,
128.4348, 193.7350

 0.0000, 0.0000,
0.5501

180.0789,

 0.0000, 0.0000,

161.4798, 238.0944

0.0000

220.3991,
199.7562, 288.7555

■ 24.2156, 18.4953,
36.4761

■ 24.2156, 18.4953,
36.4761

■ 22.3742, 15.4647,
35.9885

■ 26.3759, 22.1500,
37.0679

■ 20.8315, 13.0188,
35.5977

■ 28.8702, 26.4601,
37.7684

■ 19.5676, 11.1178,
35.2973

■ 31.7149, 31.4578,
38.5831

■ 18.5595, 9.7156,
35.0798

■ 34.9247, 37.1724,
39.5170

■ 17.7804, 8.7585,
34.9362

■ 38.5133, 43.6316,
40.5746

■ 17.1813, 8.1491,
34.8501

■ 42.4941, 50.8615,
41.7603

■ 17.0832, 8.0533,
34.8368

■ 46.8793, 58.8870,
43.0783

■ 51.6809, 67.7319,
44.5324

■ 56.9104, 77.4189,
46.1266

Harmonies

Analogous

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



20.5705, 18.4953, 47.4286



24.2156, 18.4953, 36.4761



26.1383, 18.4953, 23.2331

Triad

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



24.2156, 18.4953, 36.4761



18.6290, 18.4953, 5.4436



11.4888, 18.4953, 29.4014

Complementary

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



24.2156, 18.4953, 36.4761



21.5280, 30.0125, 16.7159

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.



11.1281, 18.4953, 17.3312



24.2156, 18.4953, 36.4761



14.8929, 18.4953, 6.0440

Square

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



24.2156, 18.4953, 36.4761



22.6150, 18.4953, 7.4645



12.2817, 18.4953, 9.5943



13.3527, 18.4953, 42.3982

Rectangle

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



24.2156, 18.4953, 36.4761



26.0115, 18.4953, 15.9378



12.2817, 18.4953, 9.5943



11.2001, 18.4953, 25.0186

Sweetspot

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



24.2162, 18.4961, 36.4765



55.9901, 54.3090, 69.5878



17.2786, 16.3203, 36.4222



12.4240, 11.9315, 15.5857



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



24.2162, 18.4961, 36.4765



41.0513, 28.7764, 65.4469



24.2139, 18.6989, 27.2608



7.2628, 7.1499, 8.9003



13.4863, 6.3589, 27.4464



0.3092, 0.1469, 0.5779

Inverse Universe

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



22.2184, 17.9007, 16.7531



37.0250, 27.6152, 23.9475



21.6708, 29.9482, 22.9543



7.1137, 7.1019, 7.5853



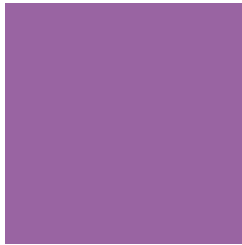
11.8751, 6.1061, 1.2670



0.2609, 0.1328, 0.0863

Previews

White Background



This preview shows how the XYZ color 24.2156, 18.4953, 36.4761 looks on a white 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

Black Background



This preview shows how the XYZ color 24.2156, 18.4953, 36.4761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

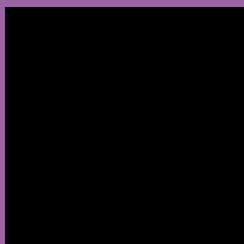
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.2156, 18.4953, 36.4761

Background



This preview shows how black text looks on a background with the XYZ color 24.2156, 18.4953, 36.4761.



This preview shows how white text looks on a background with the XYZ color 24.2156, 18.4953,

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

24.2156, 18.4953, 36.4761

Protanopia

19.5704, 18.8008, 43.6717

Deuteranopia

19.1668, 18.7751, 35.4146



Tritanopia

20.7713, 18.4483, 19.6057

Trichromacy



Original Color

24.2156, 18.4953, 36.4761

Protanomaly

20.6429, 18.2311, 40.9590

Deuteranomaly

20.6338, 18.3426, 35.7107

Tritanomaly

21.8515, 18.4189, 24.9578

Monochromacy



Original Color

24.2156, 18.4953, 36.4761

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.4776, 19.1359, 26.2812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2156, 18.4953, 36.4761 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(153, 100, 162)` looks like.

```
.text, #text, p{  
    color:rgb(153, 100, 162)  
}
```

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(153, 100, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 100, 162) }
```

Border

The CSS property to change the border of an element to XYZ 24.2156, 18.4953, 36.4761 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(153, 100, 162) }
```


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

```
.border{ border-color:rgb(153, 100, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 100, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 100, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 100, 162);  
box-shadow:4px 4px 4px 4px rgb(153, 100,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2156, 18.4953, 36.4761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 100, 162) }
```

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

```
.background{ background-color: rgb(153,  
100, 162) }
```

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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