

Converting Colors

XYZ(19.7010, 12.6900, 36.5338)

Have a look what the booklet for
XYZ(19.7010, 12.6900, 36.5338)
contains.

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Color

**XYZ(19.7693, 12.7623,
36.5434)**

Conversions

Conversions Part 1

Format	Color
Hex	8C47A4
RGB	140, 71, 164
RGB Percent	55%, 28%, 64%
CMY	0.4510, 0.7216, 0.3569
CMYK	0.15, 0.57, 0.00, 0.36
HSL	285°, 40%, 46%
HSV	285°, 57%, 64%
XYZ	19.7693, 12.7623, 36.5434
YIQ	102.2330, 11.2710, 43.5510

Conversions

Conversions Part 2

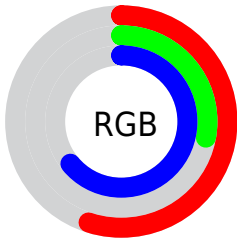
Format	Color
RYB	140, 71, 164
Decimal	9193380
CIELab	42.40, 44.51, -38.29
CIElCh	42, 58.717, 319.293
Yxy	12.7623, 0.2862, 0.1848
Android (android.graphics.Color)	4287383460 (0xFF8C47A4)
YUV	102.2330, 30.4511, 33.1217
Hunter-Lab	35.7244, 36.2615, -35.6423

Details

The XYZ color **19.7693, 12.7623, 36.5434** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **19.1326, 29.4391, 10.6357**, and the grayscale version is **12.6115, 13.2683, 14.4492**.

A 20% lighter version of the original color is **42.6341, 31.0162, 70.7575**, and **7.0714, 3.6287, 15.6569** is the 20% darker color. If you saturate the color by 10%, you get **18.1642, 10.5901, 36.2089**, and if you desaturate by 10%, it is **21.6843, 15.5126, 36.9735**.

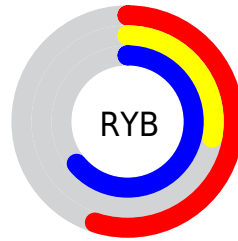
Distribution



Red (55%)

Green (28%)

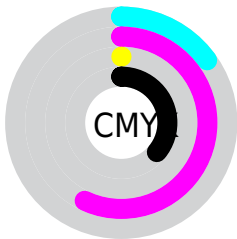
Blue (64%)



Red (55%)

Yellow (28%)

Blue (64%)

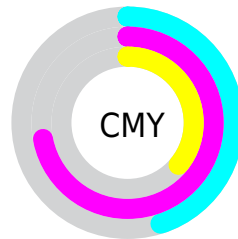


Cyan (15%)

Magenta (57%)

Yellow (0%)

Black (36%)



Cyan (45%)

Magenta (72%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7693, 12.7623, 36.5434 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 19.7693, 12.7623, 36.5434 by changing the saturation by 10% instead.

■ 19.7693, 12.7623,
36.5434

■ 19.7693, 12.7623,
36.5434

243.5209,
209.3886, 346.4384

■ 12.3347, 7.2651,
24.5612

■ 42.5370, 30.8761,
71.0484

■ 7.0459, 3.6284,
15.5344

■ 58.6008, 44.2614,
94.4083

■ 3.5374, 1.4680,
9.0445

■ 78.2717, 61.0449,
122.3978

■ 1.4439, 0.2660,
4.6730

■ 101.9152, 81.6110,
155.4354

■ 0.2872, 0.0000,
2.0014

■ 129.8964,
106.3440, 193.9398

■ 0.0000, 0.0000,
0.5561

162.5809,

■ 0.0000, 0.0000,

135.6283, 238.3294

0.0000

200.3339,
169.8484, 289.0227

■ 19.7693, 12.7623,
36.5434

■ 19.7693, 12.7623,
36.5434

■ 18.1642, 10.5901,
36.2089

■ 21.6843, 15.5126,
36.9735

■ 16.8440, 8.9479,
35.9615

■ 23.9286, 18.8809,
37.5054

■ 15.7819, 7.7821,
35.7925

■ 26.5218, 22.9053,
38.1455

■ 14.9383, 7.0139,
35.6887

■ 29.4813, 27.6203,
38.8996

■ 14.6814, 6.7945,
35.6599

■ 32.8234, 33.0580,
39.7730

■ 36.5634, 39.2485,
40.7708

■ 40.7155, 46.2201,
41.8976

■ 45.2935, 53.9996,
43.1579

■ 50.3103, 62.6127,
44.5560

Harmonies

Analogous

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



15.1563, 12.7623, 51.7836



19.7693, 12.7623, 36.5434



22.5279, 12.7623, 18.9190

Triad

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



19.7693, 12.7623, 36.5434



13.7764, 12.7623, 1.0821



5.7532, 12.7623, 23.5746

Complementary

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



19.7693, 12.7623, 36.5434



19.1326, 29.4391, 10.6357

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.



5.5554, 12.7623, 9.8514



19.7693, 12.7623, 36.5434



9.5363, 12.7623, 1.2632

Square

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



19.7693, 12.7623, 36.5434



18.5507, 12.7623, 2.4138



6.7664, 12.7623, 3.3070



7.3939, 12.7623, 41.6694

Rectangle

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



19.7693, 12.7623, 36.5434



22.5828, 12.7623, 10.3284



6.7664, 12.7623, 3.3070



5.5338, 12.7623, 18.2029

Sweetspot

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



19.7698, 12.7628, 36.5437



53.1635, 49.5721, 70.5187



13.4645, 12.3498, 36.7963



11.3925, 10.4681, 15.3576



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.



19.7698, 12.7628, 36.5437



32.3065, 18.3672, 65.5948



22.4685, 14.3615, 27.2977



7.1851, 7.1098, 8.8967



11.3028, 5.2333, 27.3442



0.2776, 0.1306, 0.5764

Inverse Universe

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



19.6291, 13.2257, 12.3453



32.4986, 19.5700, 15.7363



17.8370, 28.6759, 14.8819



7.1453, 7.1146, 7.7516



12.0808, 6.1884, 2.3502



0.2719, 0.1373, 0.1444

Previews

White Background



This preview shows how the XYZ color 19.7693, 12.7623, 36.5434 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 19.7693, 12.7623, 36.5434 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 19.7693, 12.7623, 36.5434

Background



This preview shows how black text looks on a background with the XYZ color 19.7693, 12.7623, 36.5434.



This preview shows how white text looks on a background with the XYZ color 19.7693, 12.7623,

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

19.7693, 12.7623, 36.5434

Protanopia

14.9182, 13.1133, 49.8890

Deuteranopia

13.2795, 13.0412, 34.1650



Tritanopia

14.8896, 12.7351, 12.7397

Trichromacy



Original Color

19.7693, 12.7623, 36.5434

Protanomaly

15.2952, 12.1137, 44.7121

Deuteranomaly

14.7206, 12.2833, 34.8528

Tritanomaly

16.3000, 12.4834, 19.6396

Monochromacy



Original Color

19.7693, 12.7623, 36.5434

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.6452, 12.6758, 21.0768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7693, 12.7623, 36.5434 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(140, 71, 164)` looks like.

```
.text, #text, p{  
    color:rgb(140, 71, 164)  
}
```

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(140, 71, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 71, 164) }
```

Border

The CSS property to change the border of an element to XYZ 19.7693, 12.7623, 36.5434 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(140, 71, 164) }
```


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

```
.border{ border-color:rgb(140, 71, 164) }
```

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

Here you see how a box with a 4 pixel rgb(140, 71, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 71, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 71, 164);  
box-shadow:4px 4px 4px 4px rgb(140, 71,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7693, 12.7623, 36.5434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 71, 164) }
```

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

```
.background{ background-color: rgb(140, 71,  
164) }
```

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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