

Converting Colors

XYZ(29.7412, 21.2368, 59.2263)

Have a look what the booklet for
XYZ(29.7412, 21.2368, 59.2263)
contains.

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Color

**XYZ(29.7303, 21.2814,
59.0407)**

Conversions

Conversions Part 1

Format	Color
Hex	9E67CB
RGB	158, 103, 203
RGB Percent	62%, 40%, 80%
CMY	0.3804, 0.5961, 0.2039
CMYK	0.22, 0.49, 0.00, 0.20
HSL	273°, 49%, 60%
HSV	273°, 49%, 80%
XYZ	29.7303, 21.2814, 59.0407
YIQ	130.8450, 0.6800, 42.7600

Conversions

Conversions Part 2

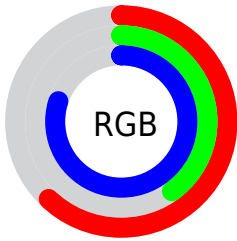
Format	Color
RYB	158, 103, 203
Decimal	10381259
CIELab	53.26, 40.89, -43.68
CIELCh	53, 59.836, 313.110
Yxy	21.2814, 0.2701, 0.1934
Android (android.graphics.Color)	4288571339 (0xFF9E67CB)
YUV	130.8450, 35.5724, 23.8149
Hunter-Lab	46.1318, 34.3064, -43.5887

Details

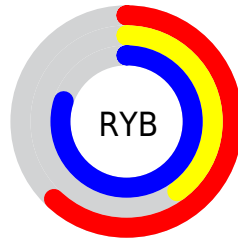
The XYZ color **29.7303, 21.2814, 59.0407** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **36.0174, 49.9875, 20.5830**, and the grayscale version is **21.3959, 22.5102, 24.5136**.

A 20% lighter version of the original color is **57.7957, 45.1098, 100.2686**, and **12.3273, 7.6274, 28.8395** is the 20% darker color. If you saturate the color by 10%, you get **26.2204, 16.8301, 58.3669**, and if you desaturate by 10%, it is **33.8655, 26.7835, 59.8851**.

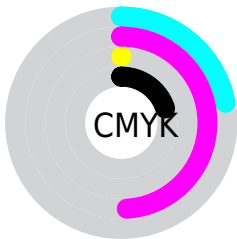
Distribution



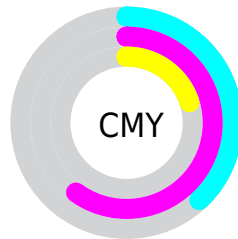
- Red (62%)
- Green (40%)
- Blue (80%)



- Red (62%)
- Yellow (40%)
- Blue (80%)



- Cyan (22%)
- Magenta (49%)
- Yellow (0%)
- Black (20%)



- Cyan (38%)
- Magenta (60%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7303, 21.2814, 59.0407 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 29.7303, 21.2814, 59.0407 by changing the saturation by 10% instead.

■ 29.7303, 21.2814,
59.0407

■ 29.7303, 21.2814,
59.0407

292.5777,
258.7702, 438.7588

■ 19.7810, 13.3299,
42.2257

■ 58.6250, 45.5554,
104.9665

■ 12.3433, 7.6561,
28.9511

■ 78.3011, 62.6466,
134.9144

■ 7.0518, 3.8757,
18.7986

■ 101.9501, 83.5532,
170.0769

■ 3.5411, 1.6043,
11.3495

■ 129.9376,
108.6595, 210.8727

■ 1.4460, 0.3605,
6.1853

162.6287,
138.3500, 257.7202

■ 0.2886, 0.0000,
2.8875

200.3888,

■ 0.0000, 0.0000,

173.0090, 311.0381

1.0375

243.5834,
213.0210, 371.2447

■ 0.0000, 0.0000,
0.0000

■ 29.7303, 21.2814,
59.0407

■ 29.7303, 21.2814,
59.0407

■ 26.2204, 16.8301,
58.3669

■ 33.8655, 26.7835,
59.8851

■ 23.2944, 13.3533,
57.8500

■ 38.6589, 33.4002,
60.9096

■ 20.9090, 10.7683,
57.4768

■ 44.1436, 41.1931,
62.1247

■ 19.0129, 8.9766,
57.2309

■ 50.3498, 50.2185,
63.5397

■ 17.5198, 7.8107,
57.0845

■ 57.3056, 60.5289,
65.1632

■ 17.4174, 7.7338,
57.0751

■ 65.0376, 72.1740,
67.0034

■ 73.5711, 85.2004,
69.0680

■ 79.5209, 92.8343,
70.2279

■ 82.5483, 94.3950,
70.3696

Harmonies

Analogous

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



23.1135, 21.2814, 76.3502



29.7303, 21.2814, 59.0407



34.2408, 21.2814, 34.8377

Triad

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



29.7303, 21.2814, 59.0407



23.9711, 21.2814, 3.2677



10.5432, 21.2814, 32.0049

Complementary

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



29.7303, 21.2814, 59.0407



36.0174, 49.9875, 20.5830

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.



10.6783, 21.2814, 14.4529



29.7303, 21.2814, 59.0407



17.5920, 21.2814, 3.1092

Square

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



29.7303, 21.2814, 59.0407



30.4699, 21.2814, 6.5877



13.0016, 21.2814, 5.9098



12.5836, 21.2814, 56.0608

Rectangle

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



29.7303, 21.2814, 59.0407



34.9657, 21.2814, 21.3330



13.0016, 21.2814, 5.9098



10.3507, 21.2814, 25.1134

Sweetspot

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



29.7311, 21.2822, 59.0412



77.9871, 74.8573, 104.9463



26.9636, 28.3760, 60.5563



16.2286, 15.3510, 22.3576



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.7311, 21.2822, 59.0412



43.6225, 27.8342, 97.6811



39.6724, 26.4749, 56.4457



11.1817, 11.1430, 14.1318



11.1905, 4.9765, 36.3270



0.6640, 0.3014, 1.8781

Inverse Universe

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



34.8247, 24.5358, 30.9179



53.7164, 34.2600, 42.9382



29.6569, 46.6787, 21.6350



11.4187, 11.2962, 12.7392



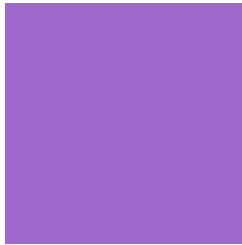
16.9294, 8.5824, 7.3469



0.9114, 0.4580, 0.5794

Previews

White Background



This preview shows how the XYZ color 29.7303, 21.2814, 59.0407 looks on a white background.

Color Contrast Check

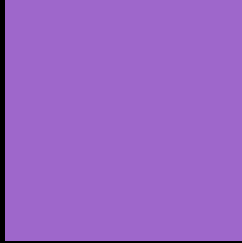
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7303, 21.2814, 59.0407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

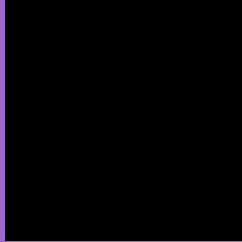
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.7303, 21.2814, 59.0407

Background



This preview shows how black text looks on a background with the XYZ color 29.7303, 21.2814, 59.0407.



This preview shows how white text looks on a background with the XYZ color 29.7303, 21.2814,

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

29.7303, 21.2814, 59.0407

Protanopia

24.0942, 21.5820, 72.7079

Deuteranopia

21.9989, 21.4296, 56.4029



Tritanopia

22.7207, 21.3974, 24.0517

Trichromacy



Original Color

29.7303, 21.2814, 59.0407

Protanomaly

25.0705, 20.7636, 67.6522

Deuteranomaly

23.9740, 20.7718, 57.3894

Tritanomaly

24.6808, 20.9530, 34.6418

Monochromacy



Original Color

29.7303, 21.2814, 59.0407

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.9077, 21.7718, 34.8406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7303, 21.2814, 59.0407 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(158, 103, 203)` looks like.

```
.text, #text, p{  
    color:rgb(158, 103, 203)  
}
```

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(158, 103, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 103, 203) }
```

Border

The CSS property to change the border of an element to XYZ 29.7303, 21.2814, 59.0407 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(158, 103, 203) }
```


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

```
.border{ border-color:rgb(158, 103, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 103, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 103, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 103, 203);  
box-shadow:4px 4px 4px 4px rgb(158, 103,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7303, 21.2814, 59.0407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 103, 203) }
```

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

```
.background{ background-color: rgb(158,  
103, 203) }
```

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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