

Converting Colors

XYZ(29.7334, 21.2779, 54.5995)

Have a look what the booklet for
XYZ(29.7334, 21.2779, 54.5995)
contains.

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Color

**XYZ(29.8194, 21.2748,
54.7593)**

Conversions

Conversions Part 1

Format	Color
Hex	A366C4
RGB	163, 102, 196
RGB Percent	64%, 40%, 77%
CMY	0.3608, 0.6000, 0.2314
CMYK	0.17, 0.48, 0.00, 0.23
HSL	279°, 44%, 58%
HSV	279°, 48%, 77%
XYZ	29.8194, 21.2748, 54.7593
YIQ	130.9550, 6.1820, 42.1660

Conversions

Conversions Part 2

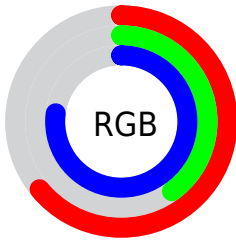
Format	Color
RYB	163, 102, 196
Decimal	10708676
CIELab	53.25, 41.26, -39.65
CIElCh	53, 57.227, 316.138
Yxy	21.2748, 0.2817, 0.2010
Android (android.graphics.Color)	4288898756 (0xFFA366C4)
YUV	130.9550, 32.0672, 28.1035
Hunter-Lab	46.1246, 34.6815, -38.1021

Details

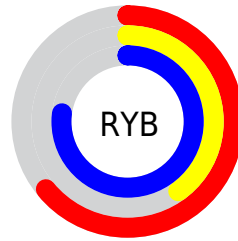
The XYZ color **29.8194, 21.2748, 54.7593** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **32.1305, 45.5905, 19.6777**, and the grayscale version is **21.4457, 22.5626, 24.5706**.

A 20% lighter version of the original color is **58.9662, 45.7502, 98.6513**, and **12.4172, 7.6602, 26.4153** is the 20% darker color. If you saturate the color by 10%, you get **26.7454, 17.1611, 54.1276**, and if you desaturate by 10%, it is **33.4270, 26.3404, 55.5473**.

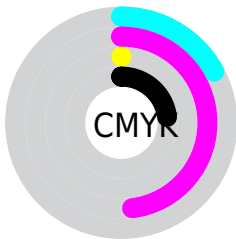
Distribution



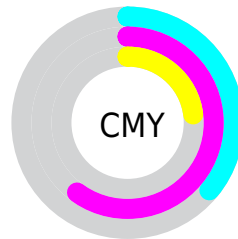
- Red (64%)
- Green (40%)
- Blue (77%)



- Red (64%)
- Yellow (40%)
- Blue (77%)



- Cyan (17%)
- Magenta (48%)
- Yellow (0%)
- Black (23%)



- Cyan (36%)
- Magenta (60%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8194, 21.2748, 54.7593 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 29.8194, 21.2748, 54.7593 by changing the saturation by 10% instead.

■ 29.8194, 21.2748,
54.7593

■ 29.8194, 21.2748,
54.7593

292.9867,
258.7353, 422.2551

■ 19.8489, 13.3250,
38.8117

■ 58.7650, 45.5444,
98.6558

■ 12.3929, 7.6527,
26.3066

■ 78.4709, 62.6331,
127.4419

■ 7.0860, 3.8736,
16.8253

■ 102.1527, 83.5368,
161.3445

■ 3.5627, 1.6031,
9.9494

■ 130.1756,
108.6400, 200.7822

■ 1.4579, 0.3597,
5.2603

162.9052,
138.3270, 246.1736

■ 0.2969, 0.0000,
2.3394

200.7066,

■ 0.0000, 0.0000,

172.9823, 297.9372

0.7531

243.9453,
212.9903, 356.4915

■ 0.0000, 0.0000,
0.0000

■ 29.8194, 21.2748,
54.7593

■ 29.8194, 21.2748,
54.7593

■ 26.7454, 17.1611,
54.1276

■ 33.4270, 26.3404,
55.5473

■ 24.1688, 13.9310,
53.6400

■ 37.5964, 32.4147,
56.5000

■ 22.0522, 11.5107,
53.2844

■ 42.3565, 39.5531,
57.6269

■ 20.3512, 9.8133,
53.0464

■ 47.7333, 47.8061,
58.9365

■ 18.9996, 8.7081,
52.9043

■ 53.7514, 57.2210,
60.4366

■ 18.7449, 8.5124,
52.8799

■ 60.4337, 67.8421,
62.1345

■ 67.8020, 79.7116,
64.0372

■ 74.6518, 90.4184,
65.7428

■ 76.7531, 91.5017,
65.8411

Harmonies

Analogous

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



23.6291, 21.2748, 72.1536



29.8194, 21.2748, 54.7593



33.7451, 21.2748, 32.0963

Triad

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



29.8194, 21.2748, 54.7593



23.1375, 21.2748, 3.5403



10.9801, 21.2748, 33.7112

Complementary

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



29.8194, 21.2748, 54.7593



32.1305, 45.5905, 19.6777

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.



10.9007, 21.2748, 16.0657



29.8194, 21.2748, 54.7593



17.1575, 21.2748, 3.6391

Square

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



29.8194, 21.2748, 54.7593



29.3981, 21.2748, 6.4921



12.9411, 21.2748, 6.9011



13.1852, 21.2748, 56.4365

Rectangle

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



29.8194, 21.2748, 54.7593



34.1293, 21.2748, 19.7825



12.9411, 21.2748, 6.9011



10.7215, 21.2748, 26.9118

Sweetspot

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



29.8202, 21.2757, 54.7598



80.2384, 76.9997, 105.2412



24.3141, 24.5512, 55.6822



16.7300, 15.8027, 22.4184



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.



29.8202, 21.2757, 54.7598



47.9680, 30.4637, 97.9596



36.1128, 24.6776, 47.9152



10.1430, 10.0649, 12.6930



12.1404, 5.5190, 33.9820



0.5968, 0.2757, 1.4716

Inverse Universe

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



31.8901, 22.9886, 25.6789



52.7680, 34.3002, 36.6503



28.2878, 43.5322, 22.9918



10.2160, 10.1350, 11.2278



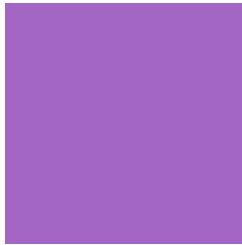
15.3511, 7.8302, 4.4949



0.6962, 0.3515, 0.3675

Previews

White Background



This preview shows how the XYZ color 29.8194, 21.2748, 54.7593 looks on a white background.

Color Contrast Check

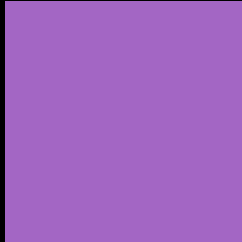
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8194, 21.2748, 54.7593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

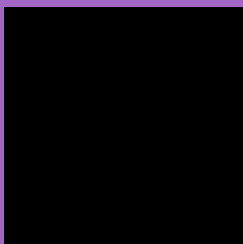
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.8194, 21.2748, 54.7593

Background



This preview shows how black text looks on a background with the XYZ color 29.8194, 21.2748, 54.7593.



This preview shows how white text looks on a background with the XYZ color 29.8194, 21.2748,

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

29.8194, 21.2748, 54.7593

Protanopia

23.6268, 21.4479, 67.8603

Deuteranopia

22.0303, 21.5370, 52.2861



Tritanopia

23.2581, 21.1646, 22.9380

Trichromacy



Original Color

29.8194, 21.2748, 54.7593

Protanomaly

24.8242, 20.7391, 63.0163

Deuteranomaly

24.1301, 20.9447, 53.2230

Tritanomaly

25.1720, 20.9233, 32.4176

Monochromacy



Original Color

29.8194, 21.2748, 54.7593

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.9606, 21.6391, 33.9243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8194, 21.2748, 54.7593 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(163, 102, 196)` looks like.

```
.text, #text, p{  
    color:rgb(163, 102, 196)  
}
```

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(163, 102, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 102, 196) }
```

Border

The CSS property to change the border of an element to XYZ 29.8194, 21.2748, 54.7593 is called "border". The border property can be set on classes, ids or directly on the HTML element.

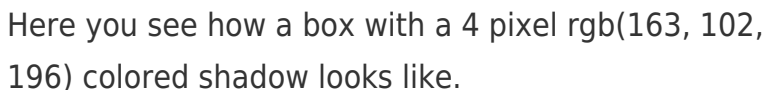
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 102, 196) }
```


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

```
.border{ border-color:rgb(163, 102, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 102, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 102, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 102, 196);  
box-shadow:4px 4px 4px 4px rgb(163, 102,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8194, 21.2748, 54.7593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 102, 196) }
```

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

```
.background{ background-color: rgb(163,  
102, 196) }
```

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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