

Converting Colors

XYZ(29.4565, 20.2438, 54.5795)

Have a look what the booklet for
XYZ(29.4565, 20.2438, 54.5795)
contains.

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Color

**XYZ(29.4565, 20.2438,
54.5795)**

Conversions

Conversions Part 1

Format	Color
Hex	A460C4
RGB	164, 96, 196
RGB Percent	64%, 38%, 77%
CMY	0.3569, 0.6235, 0.2314
CMYK	0.16, 0.51, 0.00, 0.23
HSL	281°, 46%, 57%
HSV	281°, 51%, 77%
XYZ	29.4565, 20.2438, 54.5795
YIQ	127.7320, 8.4280, 45.5160

Conversions

Conversions Part 2

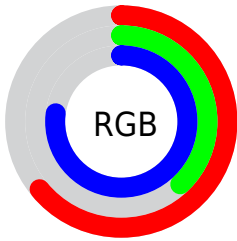
Format	Color
RYB	164, 96, 196
Decimal	10772676
CIELab	52.11, 44.78, -41.44
CIELCh	52, 61.012, 317.218
Yxy	20.2438, 0.2825, 0.1941
Android (android.graphics.Color)	4288962756 (0xFFA460C4)
YUV	127.7320, 33.6561, 31.8070
Hunter-Lab	44.9931, 38.1241, -40.4274

Details

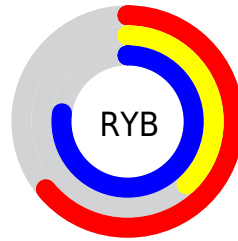
The XYZ color **29.4565, 20.2438, 54.5795** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **30.7540, 44.9141, 18.1156**, and the grayscale version is **20.3110, 21.3688, 23.2706**.

A 20% lighter version of the original color is **58.2959, 43.9589, 98.3409**, and **12.2513, 7.1448, 26.3245** is the 20% darker color. If you saturate the color by 10%, you get **26.6236, 16.4519, 53.9972**, and if you desaturate by 10%, it is **32.8005, 24.9617, 55.3142**.

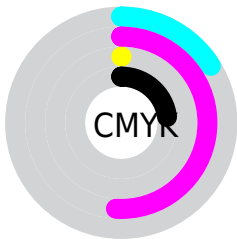
Distribution



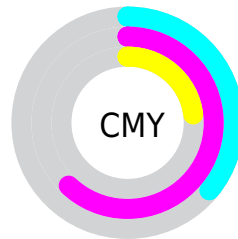
- Red (64%)
- Green (38%)
- Blue (77%)



- Red (64%)
- Yellow (38%)
- Blue (77%)



- Cyan (16%)
- Magenta (51%)
- Yellow (0%)
- Black (23%)



- Cyan (36%)
- Magenta (62%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4565, 20.2438, 54.5795 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 29.4565, 20.2438, 54.5795 by changing the saturation by 10% instead.


 29.4565, 20.2438,
54.5795


 29.4565, 20.2438,
54.5795


291.3183,
253.2319, 421.5529

 19.5724, 12.5724,
38.6688

 58.1941, 43.8256,
98.3895


 12.1911, 7.1348,
26.1963


 77.7784, 60.5047,
127.1260

 6.9471, 3.5465,
16.7435


 101.3269, 80.9552,
160.9748

 3.4751, 1.4233,
9.8918

 129.2048,
105.5614, 200.3545

 1.4097, 0.2338,
5.2226

161.7775,
134.7078, 245.6836

 0.2631, 0.0000,
2.3174

199.4104,

 0.0000, 0.0000,

168.7788, 297.3807

0.7410

242.4689,
208.1587, 355.8643

■ 0.0000, 0.0000,
0.0000

■ 29.4565, 20.2438,
54.5795

■ 29.4565, 20.2438,
54.5795

■ 26.6236, 16.4519,
53.9972

■ 32.8005, 24.9617,
55.3142

■ 24.2649, 13.5156,
53.5548

■ 36.6844, 30.6642,
56.2102

■ 22.3416, 11.3580,
53.2397

■ 41.1377, 37.4079,
57.2772

■ 20.8069, 9.8870,
53.0366

■ 46.1866, 45.2442,
58.5236

■ 19.6811, 8.9950,
52.9238

■ 51.8558, 54.2212,
59.9576

■ 58.1684, 64.3839,
61.5865

■ 65.1465, 75.7751,
63.4174

■ 72.8107, 88.4353,
65.4571

■ 75.3753, 90.7914,
65.7767

Harmonies

Analogous

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



23.0148, 20.2438, 73.8367



29.4565, 20.2438, 54.5795



33.4708, 20.2438, 30.5502

Triad

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



29.4565, 20.2438, 54.5795



22.0191, 20.2438, 2.6465



9.9068, 20.2438, 33.8554

Complementary

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



29.4565, 20.2438, 54.5795



30.7540, 44.9141, 18.1156

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.



9.7533, 20.2438, 15.2813



29.4565, 20.2438, 54.5795



15.9043, 20.2438, 2.8176

Square

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



29.4565, 20.2438, 54.5795



28.5931, 20.2438, 5.2200



11.7115, 20.2438, 5.9732



12.1893, 20.2438, 58.0934

Rectangle

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



29.4565, 20.2438, 54.5795



33.7641, 20.2438, 18.0013



11.7115, 20.2438, 5.9732



9.6253, 20.2438, 26.6463

Sweetspot

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



29.4573, 20.2446, 54.5800



79.6779, 75.7289, 105.0254



22.6827, 22.2617, 55.3263



16.6367, 15.5613, 22.3767



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.



29.4573, 20.2446, 54.5800



47.7933, 29.2402, 97.7327



35.1189, 23.3705, 45.4854



10.1738, 10.0807, 12.6944



12.7387, 5.8275, 34.0100



0.6196, 0.2874, 1.4727

Inverse Universe

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



30.8447, 21.6608, 22.9782



51.1875, 32.4463, 32.0932



27.5264, 43.1519, 22.4038



10.2031, 10.1298, 11.1599



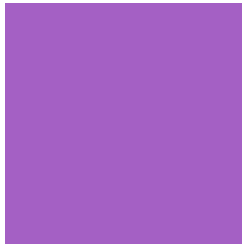
15.2341, 7.7834, 3.8787



0.6902, 0.3491, 0.3358

Previews

White Background



This preview shows how the XYZ color 29.4565, 20.2438, 54.5795 looks on a white background.

Color Contrast Check

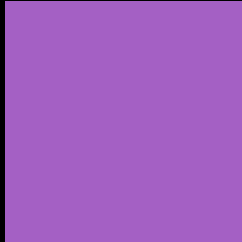
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4565, 20.2438, 54.5795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

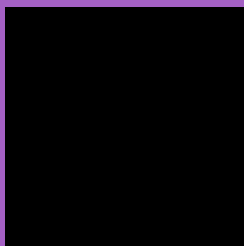
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.4565, 20.2438, 54.5795

Background



This preview shows how black text looks on a background with the XYZ color 29.4565, 20.2438, 54.5795.



This preview shows how white text looks on a background with the XYZ color 29.4565, 20.2438,

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

29.4565, 20.2438, 54.5795

Protanopia

22.9318, 20.4947, 69.7651

Deuteranopia

21.0253, 20.4522, 52.1297



Tritanopia

22.7293, 20.2370, 21.4471

Trichromacy



Original Color

29.4565, 20.2438, 54.5795

Protanomaly

24.1076, 19.6710, 64.1543

Deuteranomaly

23.1142, 19.7364, 53.0433

Tritanomaly

24.6673, 19.8855, 31.3923

Monochromacy



Original Color

29.4565, 20.2438, 54.5795

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

22.9797, 20.4534, 32.8737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4565, 20.2438, 54.5795 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(164, 96, 196)` looks like.

```
.text, #text, p{  
    color:rgb(164, 96, 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(164, 96, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 96, 196) }
```

Border

The CSS property to change the border of an element to XYZ 29.4565, 20.2438, 54.5795 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(164, 96, 196) }
```


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

```
.border{ border-color:rgb(164, 96, 196) }
```

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

Here you see how a box with a 4 pixel rgb(164, 96, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 96, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 96, 196);  
box-shadow:4px 4px 4px 4px rgb(164, 96,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4565, 20.2438, 54.5795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 96, 196) }
```

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

```
.background{ background-color: rgb(164, 96,  
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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