

Converting Colors

XYZ(29.0104, 20.9092, 50.6117)

Have a look what the booklet for
XYZ(29.0104, 20.9092, 50.6117)
contains.

XYZ(29.0409, 20.9634, 50.6598)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.0409, 20.9634,
50.6598)**

Conversions

Conversions Part 1

Format	Color
Hex	A366BD
RGB	163, 102, 189
RGB Percent	64%, 40%, 74%
CMY	0.3608, 0.6000, 0.2588
CMYK	0.14, 0.46, 0.00, 0.26
HSL	282°, 40%, 57%
HSV	282°, 46%, 74%
XYZ	29.0409, 20.9634, 50.6598
YIQ	130.1570, 8.4290, 39.9890

Conversions

Conversions Part 2

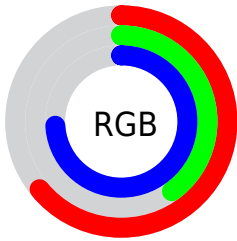
Format	Color
RYB	163, 102, 189
Decimal	10708669
CIELab	52.91, 39.74, -36.17
CIELCh	53, 53.735, 317.697
Yxy	20.9634, 0.2885, 0.2083
Android (android.graphics.Color)	4288898749 (0xFFA366BD)
YUV	130.1570, 29.0096, 28.8033
Hunter-Lab	45.7858, 33.0933, -33.5515

Details

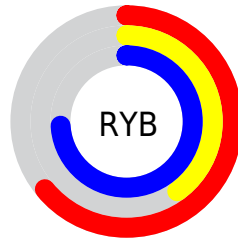
The XYZ color **29.0409, 20.9634, 50.6598** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **29.4986, 41.9442, 19.1126**, and the grayscale version is **21.1728, 22.2754, 24.2579**.

A 20% lighter version of the original color is **57.5693, 45.1566, 92.8706**, and **11.9078, 7.4565, 23.7333** is the 20% darker color. If you saturate the color by 10%, you get **26.2602, 17.0802, 50.0572**, and if you desaturate by 10%, it is **32.2982, 25.7218, 51.4069**.

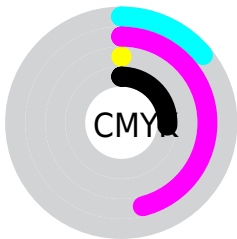
Distribution



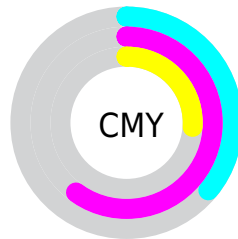
- Red (64%)
- Green (40%)
- Blue (74%)



- Red (64%)
- Yellow (40%)
- Blue (74%)



- Cyan (14%)
- Magenta (46%)
- Yellow (0%)
- Black (26%)



- Cyan (36%)
- Magenta (60%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0409, 20.9634, 50.6598 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 29.0409, 20.9634, 50.6598 by changing the saturation by 10% instead.

■ 29.0409, 20.9634,
50.6598

■ 29.0409, 20.9634,
50.6598

289.3986,
257.0839, 406.0493

■ 19.2562, 13.0973,
35.5631

■ 57.5392, 45.0266,
92.5580

■ 11.9607, 7.4955,
23.8099

■ 76.9835, 61.9925,
120.1967

■ 6.7889, 3.7739,
14.9818

■ 100.3783, 82.7603,
152.8530

■ 3.3756, 1.5479,
8.6601

■ 128.0891,
107.7146, 190.9456

■ 1.3554, 0.3221,
4.4264

160.4812,
137.2398, 234.8930

■ 0.2241, 0.0000,
1.8621

197.9199,

■ 0.0000, 0.0000,

171.7201, 285.1137

0.4684

240.7706,
211.5400, 342.0263

■ 0.0000, 0.0000,
0.0000

■ 29.0409, 20.9634,
50.6598

■ 29.0409, 20.9634,
50.6598

■ 26.2602, 17.0802,
50.0572

■ 32.2982, 25.7218,
51.4069

■ 23.9240, 14.0109,
49.5879

■ 36.0568, 31.4059,
52.3060

■ 21.9995, 11.6903,
49.2414

■ 40.3425, 38.0655,
53.3655

■ 20.4479, 10.0419,
49.0050

■ 45.1784, 45.7459,
54.5931

■ 19.2199, 8.9681,
48.8624

■ 50.5861, 54.4895,
55.9958

■ 18.7823, 8.6215,
48.8186

■ 56.5862, 64.3366,
57.5802

■ 63.1981, 75.3249,
59.3527

■ 70.4403, 87.4907,
61.3192

■ 72.6291, 89.4656,
61.5851

Harmonies

Analogous

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



23.3964, 20.9634, 66.8696



29.0409, 20.9634, 50.6598



32.4683, 20.9634, 30.0815

Triad

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



29.0409, 20.9634, 50.6598



22.3194, 20.9634, 3.9681



11.2964, 20.9634, 33.5935

Complementary

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



29.0409, 20.9634, 50.6598



29.4986, 41.9442, 19.1126

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.



11.1169, 20.9634, 16.8417



29.0409, 20.9634, 50.6598



16.8153, 20.9634, 4.2077

Square

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



29.0409, 20.9634, 50.6598



28.1258, 20.9634, 6.7277



12.9495, 20.9634, 7.6822



13.4969, 20.9634, 54.2474

Rectangle

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



29.0409, 20.9634, 50.6598



32.6778, 20.9634, 18.9240



12.9495, 20.9634, 7.6822



11.0149, 20.9634, 27.2297

Sweetspot

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



29.0417, 20.9643, 50.6603



73.7432, 70.5217, 95.9516



22.3978, 21.9643, 51.2035



15.4757, 14.5633, 20.5379



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.0417, 20.9643, 50.6603



47.1005, 30.6838, 89.6663



33.1462, 23.2856, 41.5767



9.6448, 9.5493, 12.0071



12.7171, 5.8420, 32.8502



0.5611, 0.2613, 1.2897

Inverse Universe

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



29.6346, 21.8809, 23.0845



48.7167, 32.7778, 32.7812



27.0316, 40.5620, 23.9844



9.6444, 9.5820, 10.5162



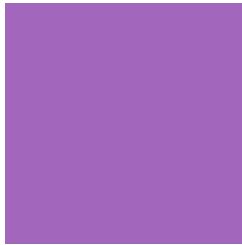
14.6383, 7.4865, 3.3891



0.6032, 0.3052, 0.2897

Previews

White Background



This preview shows how the XYZ color 29.0409, 20.9634, 50.6598 looks on a white background.

Color Contrast Check

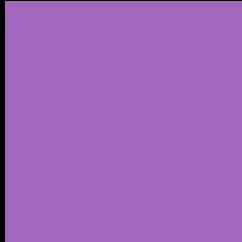
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0409, 20.9634, 50.6598 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 29.0409, 20.9634, 50.6598

Background



This preview shows how black text looks on a background with the XYZ color 29.0409, 20.9634, 50.6598.



This preview shows how white text looks on a background with the XYZ color 29.0409, 20.9634,

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

29.0409, 20.9634, 50.6598

Protanopia

23.1070, 21.2965, 62.5673

Deuteranopia

21.7061, 21.2660, 48.3081



Tritanopia

23.2641, 21.0012, 22.5662

Trichromacy



Original Color

29.0409, 20.9634, 50.6598

Protanomaly

24.2592, 20.5594, 57.9481

Deuteranomaly

23.6817, 20.6277, 49.1878

Tritanomaly

25.1236, 20.9264, 31.1488

Monochromacy



Original Color

29.0409, 20.9634, 50.6598

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.4577, 21.4181, 32.1759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0409, 20.9634, 50.6598 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(163, 102, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 102, 189) }
```

Border

The CSS property to change the border of an element to XYZ 29.0409, 20.9634, 50.6598 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, 189) }
```


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

```
.border{ border-color:rgb(163, 102, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 102, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 102, 189);  
box-shadow:4px 4px 4px 4px rgb(163, 102,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0409, 20.9634, 50.6598 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, 189) }
```

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

```
.background{ background-color: rgb(163,  
102, 189) }
```

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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