

Converting Colors

XYZ(28.5881, 14.9636, 62.3607)

Have a look what the booklet for
XYZ(28.5881, 14.9636, 62.3607)
contains.

XYZ(28.6262, 14.9825, 62.3559)	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(28.6262, 14.9825,
62.3559)**

Conversions

Conversions Part 1

Format	Color
Hex	A730D2
RGB	167, 48, 210
RGB Percent	65%, 19%, 82%
CMY	0.3451, 0.8118, 0.1765
CMYK	0.20, 0.77, 0.00, 0.18
HSL	284°, 64%, 51%
HSV	284°, 77%, 82%
XYZ	28.6262, 14.9825, 62.3559
YIQ	102.0490, 18.9220, 75.6100

Conversions

Conversions Part 2

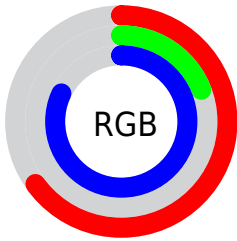
Format	Color
R_{YB}	167, 48, 210
Decimal	10957010
CIE _{Lab}	45.61, 69.59, -59.86
CIE _{LCh}	46, 91.797, 319.299
Yxy	14.9825, 0.2701, 0.1414
Android (android.graphics.Color)	4289147090 (0xFFA730D2)
YUV	102.0490, 53.2198, 56.9620
Hunter-Lab	38.7072, 64.2732, -68.4189

Details

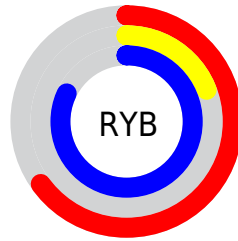
The XYZ color **28.6262, 14.9825, 62.3559** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **27.8947, 48.5310, 10.6938**, and the grayscale version is **12.5048, 13.1560, 14.3269**.

A 20% lighter version of the original color is **54.6717, 33.9041, 98.2704**, and **12.2631, 5.6481, 31.0157** is the 20% darker color. If you saturate the color by 10%, you get **26.8094, 13.0589, 62.0806**, and if you desaturate by 10%, it is **30.9013, 17.7458, 62.7696**.

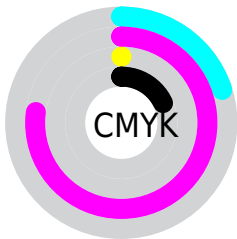
Distribution



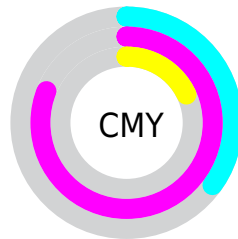
- Red (65%)
- Green (19%)
- Blue (82%)



- Red (65%)
- Yellow (19%)
- Blue (82%)



- Cyan (20%)
- Magenta (77%)
- Yellow (0%)
- Black (18%)





- Cyan (35%)
- Magenta (81%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6262, 14.9825, 62.3559 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 28.6262, 14.9825, 62.3559 by changing the saturation by 10% instead.


 28.6262, 14.9825,
62.3559


 28.6262, 14.9825,
62.3559


287.4733,
223.2603, 451.2716

 18.9411, 8.8071,
44.8827


 56.8843, 34.8225,
109.8163


 11.7315, 4.6156,
31.0228


 76.1881, 49.2558,
140.6406


 6.6320, 2.0235,
20.3576


 99.4287, 67.2107,
176.7523

 3.2773, 0.6211,
12.4686

 126.9717, 89.0713,
218.5701

 1.3021, 0.0000,
6.9372

 159.1822,
115.2222, 266.5123

 0.1848, 0.0000,
3.3450

 196.4258,

 0.0000, 0.0000,

146.0477, 320.9976

1.2734

239.0677,
181.9323, 382.4445

■ 0.0000, 0.0000,
0.0398

■ 0.0000, 0.0000,
0.0000

■ 28.6262, 14.9825,
62.3559

■ 28.6262, 14.9825,
62.3559

■ 26.8094, 13.0589,
62.0806

■ 30.9013, 17.7458,
62.7696

■ 25.3803, 11.8369,
61.9201

■ 33.6840, 21.4488,
63.3377

■ 25.0092, 11.5489,
61.8840

■ 37.0189, 26.1790,
64.0750

■ 40.9449, 32.0135,
64.9942

■ 45.4973, 39.0217,
66.1070

■ 50.7083, 47.2673,
67.4239

■ 56.6078, 56.8095,
68.9548

■ 63.2240, 67.7033,
70.7088

■ 70.5831, 80.0008,
72.6946

Harmonies

Analogous

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



19.6998, 14.9825, 97.6385



28.6262, 14.9825, 62.3559



34.2379, 14.9825, 25.4945

Triad

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



28.6262, 14.9825, 62.3559



17.1624, 14.9825, 0.0000



4.3553, 14.9825, 34.6631

Complementary

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



28.6262, 14.9825, 62.3559



27.8947, 48.5310, 10.6938

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.



4.1004, 14.9825, 9.6528



28.6262, 14.9825, 62.3559



9.8962, 14.9825, 0.0000

Square

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



28.6262, 14.9825, 62.3559



26.2045, 14.9825, 0.6324



5.7225, 14.9825, 1.3563



6.6179, 14.9825, 73.9705

Rectangle

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



28.6262, 14.9825, 62.3559



34.3507, 14.9825, 10.3895



5.7225, 14.9825, 1.3563



4.0731, 14.9825, 24.1458

Sweetspot

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



28.6269, 14.9831, 62.3562



73.6119, 65.2841, 103.3291



16.6104, 12.7984, 62.5679



15.1478, 13.0183, 21.9644



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.



28.6269, 14.9831, 62.3562



40.0161, 18.8614, 96.1393



35.1012, 18.8021, 40.9101



11.9919, 11.8447, 14.8979



15.3546, 7.0959, 37.7529



0.9313, 0.4343, 2.1143

Inverse Universe

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



29.5239, 16.5712, 11.5402



42.9314, 22.2788, 9.7818



25.9375, 47.3905, 16.5426



11.9357, 11.8590, 12.9374



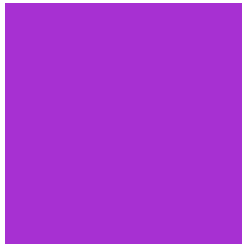
16.6797, 8.5447, 3.2197



0.9659, 0.4911, 0.3553

Previews

White Background



This preview shows how the XYZ color 28.6262, 14.9825, 62.3559 looks on a white background.

Color Contrast Check

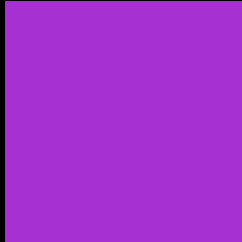
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6262, 14.9825, 62.3559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

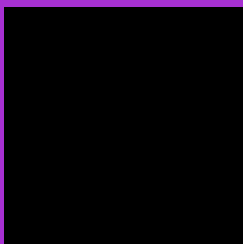
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.6262, 14.9825, 62.3559

Background



This preview shows how black text looks on a background with the XYZ color 28.6262, 14.9825, 62.3559.



This preview shows how white text looks on a background with the XYZ color 28.6262, 14.9825,

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

28.6262, 14.9825, 62.3559

Protanopia

18.1027, 15.3236, 70.4102

Deuteranopia

15.5348, 15.3090, 53.7659



Tritanopia

18.5234, 14.8480, 13.4449

Trichromacy



Original Color

28.6262, 14.9825, 62.3559



Protanomaly

17.6192, 12.3425, 67.0993



Deuteranomaly

15.8395, 12.1417, 56.1523



Tritanomaly

20.8866, 13.9642, 26.0206

Monochromacy



Original Color

28.6262, 14.9825, 62.3559



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

16.4292, 12.3933, 26.7255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6262, 14.9825, 62.3559 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(167, 48, 210)` looks like.

```
.text, #text, p{  
  color:rgb(167, 48, 210)  
}
```

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(167, 48, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 48, 210) }
```

Border

The CSS property to change the border of an element to XYZ 28.6262, 14.9825, 62.3559 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(167, 48, 210) }
```


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

```
.border{ border-color:rgb(167, 48, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 48, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 48, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 48, 210);  
box-shadow:4px 4px 4px 4px rgb(167, 48,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6262, 14.9825, 62.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 48, 210) }
```

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

```
.background{ background-color: rgb(167, 48,  
210) }
```

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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