

Converting Colors

XYZ(29.7459, 31.6218, 45.6635)

Have a look what the booklet for
XYZ(29.7459, 31.6218, 45.6635)
contains.

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Color

**XYZ(29.7086, 31.5642,
45.6010)**

Conversions

Conversions Part 1

Format	Color
Hex	899AB0
RGB	137, 154, 176
RGB Percent	54%, 60%, 69%
CMY	0.4627, 0.3961, 0.3098
CMYK	0.22, 0.12, 0.00, 0.31
HSL	214°, 20%, 61%
HSV	214°, 22%, 69%
XYZ	29.7086, 31.5642, 45.6010
YIQ	151.4250, -17.1940, 3.2380

Conversions

Conversions Part 2

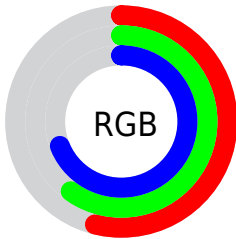
Format	Color
RYB	137, 149, 176
Decimal	9018032
CIELab	62.98, -1.11, -13.46
CIElCh	63, 13.507, 265.291
Yxy	31.5642, 0.2780, 0.2953
Android (android.graphics.Color)	4287208112 (0xFF899AB0)
YUV	151.4250, 12.1155, -12.6507
Hunter-Lab	56.1820, -3.9292, -8.7962

Details

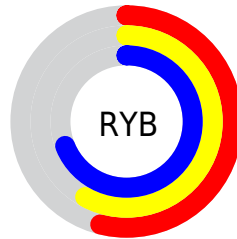
The XYZ color **29.7086, 31.5642, 45.6010** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.8182, 35.8325, 28.7488**, and the grayscale version is **29.5532, 31.0923, 33.8595**.

A 20% lighter version of the original color is **58.6072, 62.0143, 85.2250**, and **12.2632, 13.1090, 20.6228** is the 20% darker color. If you saturate the color by 10%, you get **25.4844, 27.0546, 44.9537**, and if you desaturate by 10%, it is **34.5409, 36.5900, 46.3169**.

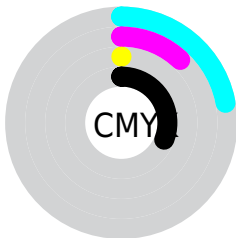
Distribution



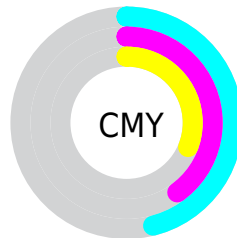
- Red (54%)
- Green (60%)
- Blue (69%)



- Red (54%)
- Yellow (58%)
- Blue (69%)



- Cyan (22%)
- Magenta (12%)
- Yellow (0%)
- Black (31%)



- Cyan (46%)
- Magenta (40%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7086, 31.5642, 45.6010 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 29.7086, 31.5642, 45.6010 by changing the saturation by 10% instead.

■ 29.7086, 31.5642,
45.6010

■ 29.7086, 31.5642,
45.6010

292.4781,
309.1292, 385.4331

■ 19.7645, 21.0288,
31.5847

■ 58.5908, 62.1273,
84.9495

■ 12.3312, 13.1451,
20.7823

■ 78.2597, 82.9238,
111.1188

■ 7.0435, 7.5285,
12.7753

■ 101.9008,
107.9094, 142.1762

■ 3.5359, 3.7948,
7.1451

129.8795,
137.4687, 178.5402

■ 1.4431, 1.5594,
3.4732

162.5613,
171.9859, 220.6293

■ 0.2866, 0.3300,
1.3410

200.3114,

■ 0.0000, 0.0000,

211.8455, 268.8622

0.0951

243.4952,
257.4318, 323.6572

■ 0.0000, 0.0000,
0.0000

■ 29.7086, 31.5642,
45.6010

■ 29.7086, 31.5642,
45.6010

■ 25.4844, 27.0546,
44.9537

■ 34.5409, 36.5900,
46.3169

■ 21.8393, 23.0392,
44.3708

■ 40.0029, 42.1455,
47.1013

■ 18.7462, 19.4996,
43.8506

■ 46.1184, 48.2483,
47.9570

■ 16.1746, 16.4149,
43.3907

■ 52.9092, 54.9139,
48.8857

■ 14.0906, 13.7622,
42.9886

■ 60.3961, 62.1575,
49.8892

■ 12.4557, 11.5159,
42.6411

■ 68.5989, 69.9932,
50.9693

■ 11.2248, 9.6468,
42.3452

■ 75.5967, 77.4349,
52.0369

■ 10.4714, 8.4043,
42.1451

■ 78.3352, 82.9119,
52.9497

■ 81.2320, 88.7054,
53.9153

Harmonies

Analogous

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



28.0131, 31.5642, 43.4791



29.7086, 31.5642, 45.6010



31.5523, 31.5642, 44.4686

Triad

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



29.7086, 31.5642, 45.6010



33.3467, 31.5642, 30.1816



27.1601, 31.5642, 28.8675

Complementary

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



29.7086, 31.5642, 45.6010



34.8182, 35.8325, 28.7488

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.



28.5010, 31.5642, 25.9260



29.7086, 31.5642, 45.6010



32.0804, 31.5642, 26.6280

Square

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



29.7086, 31.5642, 45.6010



33.7022, 31.5642, 35.2145



30.2950, 31.5642, 25.1502



26.5809, 31.5642, 33.5352

Rectangle

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



29.7086, 31.5642, 45.6010



32.6108, 31.5642, 42.0764



30.2950, 31.5642, 25.1502



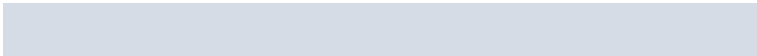
27.5339, 31.5642, 27.6638

Sweetspot

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



29.7096, 31.5655, 45.6017



67.4882, 71.3133, 84.7031



32.0528, 38.8538, 38.3620



14.5029, 15.3297, 18.3389



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.7096, 31.5655, 45.6017



49.6765, 52.7872, 82.0660



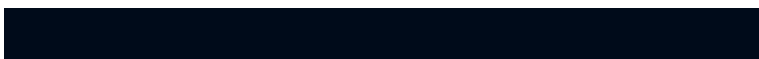
27.4219, 26.5113, 44.7467



8.3366, 8.8193, 10.7692



7.7391, 6.2786, 30.9410



0.3019, 0.3144, 0.9930

Inverse Universe

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



32.6837, 29.4553, 34.5362



56.1892, 48.4940, 57.7613



37.5080, 41.8618, 29.7708



8.6451, 8.5647, 9.6294



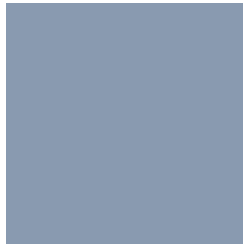
14.1410, 7.1740, 5.9025



0.4744, 0.2375, 0.3410

Previews

White Background



This preview shows how the XYZ color 29.7086, 31.5642, 45.6010 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 29.7086, 31.5642, 45.6010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

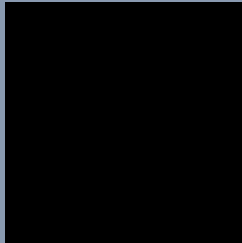
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

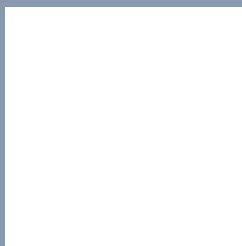
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7086, 31.5642, 45.6010

Background



This preview shows how black text looks on a background with the XYZ color 29.7086, 31.5642, 45.6010.



This preview shows how white text looks on a background with the XYZ color 29.7086, 31.5642,

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

29.7086, 31.5642, 45.6010

Protanopia

30.9193, 31.4851, 44.4920

Deuteranopia

32.0433, 31.3227, 45.9520



Tritanopia

28.7809, 31.4207, 41.5937

Trichromacy



Original Color

29.7086, 31.5642, 45.6010

Protanomaly

30.4677, 31.4809, 45.0280

Deuteranomaly

31.0549, 31.2829, 45.9964

Tritanomaly

29.2254, 31.6172, 43.0905

Monochromacy



Original Color

29.7086, 31.5642, 45.6010

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.4275, 31.1055, 37.7107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7086, 31.5642, 45.6010 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(137, 154, 176)` looks like.

```
.text, #text, p{  
    color:rgb(137, 154, 176)  
}
```

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(137, 154, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 154, 176) }
```

Border

The CSS property to change the border of an element to XYZ 29.7086, 31.5642, 45.6010 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(137, 154, 176) }
```


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

```
.border{ border-color:rgb(137, 154, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 154, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 154, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 154, 176);  
box-shadow:4px 4px 4px 4px rgb(137, 154,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7086, 31.5642, 45.6010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 154, 176) }
```

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

```
.background{ background-color: rgb(137,  
154, 176) }
```

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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