

Converting Colors

XYZ(27.6973, 13.9555, 15.8860)

Have a look what the booklet for
XYZ(27.6973, 13.9555, 15.8860)
contains.

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Color

**XYZ(27.7163, 13.9632,
15.9862)**

Conversions

Conversions Part 1

Format	Color
Hex	CC006E
RGB	204, 0, 110
RGB Percent	80%, 0%, 43%
CMY	0.2000, 0.9998, 0.5686
CMYK	0.00, 1.00, 0.46, 0.20
HSL	328°, 100%, 40%
HSV	328°, 100%, 80%
XYZ	27.7163, 13.9632, 15.9862
YIQ	73.5360, 86.2740, 77.4580

Conversions

Conversions Part 2

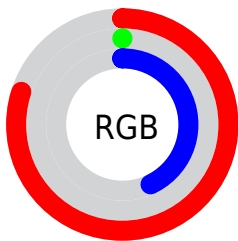
Format	Color
RYB	204, 0, 110
Decimal	13369454
CIELab	44.18, 72.17, -1.75
CIELCh	44, 72.189, 358.610
Yxy	13.9632, 0.4806, 0.2421
Android (android.graphics.Color)	4291559534 (0xFFCC006E)
YUV	73.5360, 17.9768, 114.4169
Hunter-Lab	37.3674, 67.0050, 0.7922

Details

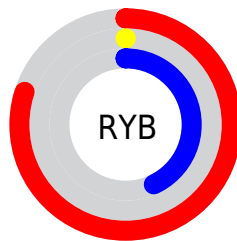
The XYZ color **27.7163, 13.9632, 15.9862** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **23.6155, 43.9947, 17.8466**, and the grayscale version is **6.3897, 6.7224, 7.3207**.

A 20% lighter version of the original color is **51.1627, 30.8127, 36.9691**, and **12.2249, 6.1985, 5.2547** is the 20% darker color. If you saturate the color by 10%, you get **27.7152, 13.9627, 15.9807**, and if you desaturate by 10%, it is **28.5137, 14.6950, 18.9132**.

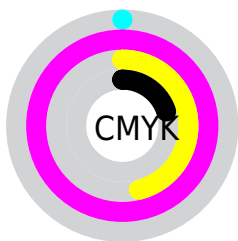
Distribution



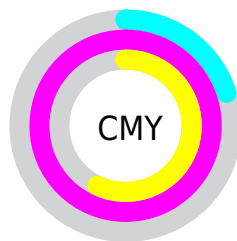
- Red (80%)
- Green (0%)
- Blue (43%)



- Red (80%)
- Yellow (0%)
- Blue (43%)



- Cyan (0%)
- Magenta (100%)
- Yellow (46%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7163, 13.9632, 15.9862 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 27.7163, 13.9632, 15.9862 by changing the saturation by 10% instead.


 27.7163, 13.9632,
15.9862


 27.7163, 13.9632,
15.9862


283.2135,
217.0018, 241.1032


 18.2513, 8.0951,
9.3601


 55.4430, 33.0237,
37.3407


 11.2313, 4.1558,
4.8768


 74.4354, 46.9849,
52.9062


 6.2911, 1.7611,
2.1177


 97.3343, 64.4126,
72.2887

 3.0652, 0.4628,
0.6263

 124.5050, 85.6911,
95.9065

 1.1883, 0.0000,
0.0000

 156.3129,
111.2049, 124.1784

 0.0971, 0.0000,
0.0000

 193.1234,

 0.0000, 0.0000,

141.3383, 157.5227

0.0000

235.3018,
176.4758, 196.3582

■ 27.7163, 13.9632,
15.9862

■ 27.7163, 13.9632,
15.9862

■ 27.7152, 13.9627,
15.9807

■ 28.5137, 14.6950,
18.9132

■ 29.6386, 15.9921,
22.2253

■ 31.1858, 18.0416,
25.9617

■ 33.2064, 20.9437,
30.1468

■ 35.7438, 24.7829,
34.8023

■ 38.8364, 29.6334,
39.9475

■ 42.5185, 35.5620,
45.6007

■ 46.8216, 42.6295,
51.7787

■ 51.7750, 50.8924,
58.4975

Harmonies

Analogous

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



25.1553, 13.9632, 38.4451



27.7163, 13.9632, 15.9862



25.5691, 13.9632, 4.5083

Triad

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



27.7163, 13.9632, 15.9862



8.6414, 13.9632, 0.8947



8.2965, 13.9632, 61.5662

Complementary

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



27.7163, 13.9632, 15.9862



23.6155, 43.9947, 17.8466

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.



5.7272, 13.9632, 36.0237



27.7163, 13.9632, 15.9862



5.8821, 13.9632, 3.9412

Square

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



27.7163, 13.9632, 15.9862



13.5421, 13.9632, 0.2800



4.9905, 13.9632, 14.4469



13.0047, 13.9632, 74.1084

Rectangle

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



27.7163, 13.9632, 15.9862



22.0284, 13.9632, 1.6608



4.9905, 13.9632, 14.4469



7.2109, 13.9632, 53.5995

Sweetspot

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



27.7167, 13.9640, 15.9864



70.1443, 58.4538, 75.1175



15.2955, 6.6267, 57.5994



14.4338, 11.5728, 15.2032



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.



27.7167, 13.9640, 15.9864



45.7896, 23.0798, 25.8879



24.9583, 12.8607, 1.4610



11.4610, 11.3131, 12.9621



17.4918, 8.8073, 10.3086



0.9405, 0.4696, 0.7323

Inverse Universe

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



27.7167, 13.9640, 15.9864



45.7896, 23.0798, 25.8879



31.3087, 47.0720, 58.3579



11.4610, 11.3131, 12.9621



17.4918, 8.8073, 10.3086



0.9405, 0.4696, 0.7323

Previews

White Background



This preview shows how the XYZ color 27.7163, 13.9632, 15.9862 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 27.7163, 13.9632, 15.9862 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 27.7163, 13.9632, 15.9862

Background



This preview shows how black text looks on a background with the XYZ color 27.7163, 13.9632, 15.9862.



This preview shows how white text looks on a background with the XYZ color 27.7163, 13.9632,

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

27.7163, 13.9632, 15.9862

Protanopia

15.3430, 14.6956, 34.3756

Deuteranopia

14.8070, 14.5620, 14.3423



Tritanopia

25.4427, 14.4007, 3.8215

Trichromacy



Original Color

27.7163, 13.9632, 15.9862



Protanomaly

16.1749, 10.7627, 26.4242



Deuteranomaly

17.0246, 11.3799, 14.3960



Tritanomaly

25.8158, 13.8044, 6.7727

Monochromacy



Original Color

27.7163, 13.9632, 15.9862



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

10.6220, 6.7861, 9.7668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7163, 13.9632, 15.9862 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(204, 0, 110)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 110)  
}
```

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(204, 0, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 110) }
```

Border

The CSS property to change the border of an element to XYZ 27.7163, 13.9632, 15.9862 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(204, 0, 110) }
```


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

```
.border{ border-color:rgb(204, 0, 110) }
```

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

Here you see how a box with a 4 pixel rgb(204, 0, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 110);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7163, 13.9632, 15.9862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 110) }
```

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

```
.background{ background-color: rgb(204, 0,  
110) }
```

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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