

Converting Colors

XYZ(16.2932, 16.5873, 30.0901)

Have a look what the booklet for
XYZ(16.2932, 16.5873, 30.0901)
contains.

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Color

**XYZ(16.2086, 16.5135,
29.9369)**

Conversions

Conversions Part 1

Format	Color
Hex	627193
RGB	98, 113, 147
RGB Percent	38%, 44%, 58%
CMY	0.6157, 0.5569, 0.4235
CMYK	0.33, 0.23, 0.00, 0.42
HSL	222°, 20%, 48%
HSV	222°, 33%, 58%
XYZ	16.2086, 16.5135, 29.9369
YIQ	112.3910, -19.8540, 7.3940

Conversions

Conversions Part 2

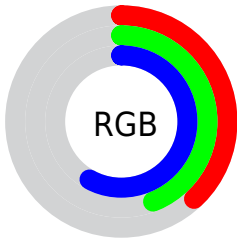
Format	Color
R _Y B	98, 109, 147
Decimal	6451603
CIE Lab	47.64, 2.96, -20.32
CIE LCh	48, 20.538, 278.277
Yxy	16.5135, 0.2587, 0.2635
Android (android.graphics.Color)	4284641683 (0xFF627193)
YUV	112.3910, 17.0622, -12.6209
Hunter-Lab	40.6368, 0.0830, -15.2328

Details

The XYZ color **16.2086, 16.5135, 29.9369** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.4889, 23.5878, 14.9235**, and the grayscale version is **15.4720, 16.2777, 17.7264**.

A 20% lighter version of the original color is **36.5754, 37.6113, 60.5903**, and **5.2682, 5.2781, 11.8074** is the 20% darker color. If you saturate the color by 10%, you get **13.6911, 13.6206, 29.5115**, and if you desaturate by 10%, it is **19.1464, 19.8137, 30.4194**.

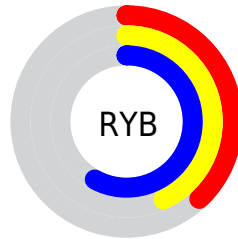
Distribution



Red (38%)

Green (44%)

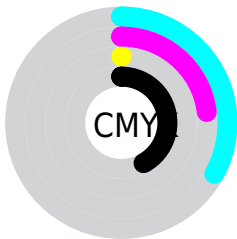
Blue (58%)



Red (38%)

Yellow (43%)

Blue (58%)

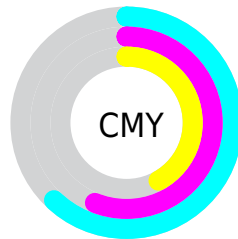


Cyan (33%)

Magenta (23%)

Yellow (0%)

Black (42%)



Cyan (62%)

Magenta (56%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2086, 16.5135, 29.9369 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 16.2086, 16.5135, 29.9369 by changing the saturation by 10% instead.

■ 16.2086, 16.5135,
29.9369

■ 16.2086, 16.5135,
29.9369

223.8158,
232.3530, 315.8084

■ 9.7637, 9.8882,
19.5391

■ 36.5145, 37.4874,
60.6222

■ 5.3036, 5.3249,
11.8797

■ 51.1062, 52.6048,
81.7467

■ 2.4631, 2.4391,
6.5403

■ 69.1441, 71.3218,
107.2839

■ 0.8767, 0.8459,
3.1022

■ 90.9937, 94.0226,
137.6523

■ 0.0000, 0.0000,
1.1471

117.0204,
121.0918, 173.2704

■ 0.0000, 0.0000,
0.0000

147.5893,

152.9136, 214.5567

183.0660,
189.8726, 261.9299

■ 16.2086, 16.5135,
29.9369

■ 16.2086, 16.5135,
29.9369

■ 13.6911, 13.6206,
29.5115

■ 19.1464, 19.8137,
30.4194

■ 11.5722, 11.1164,
29.1398

■ 22.5217, 23.5350,
30.9597

■ 9.8303, 8.9836,
28.8199

■ 26.3525, 27.6926,
31.5603

■ 8.4414, 7.2028,
28.5494

■ 30.6556, 32.3008,
32.2230

■ 7.3780, 5.7525,
28.3255

■ 35.4466, 37.3727,
32.9495

■ 6.6084, 4.6082,
28.1452

■ 40.7406, 42.9213,
33.7414

■ 6.2049, 3.9835,
28.0459

■ 46.5519, 48.9588,
34.6005

■ 52.8942, 55.4971,
35.5282

■ 59.7809, 62.5477,
36.5262

Harmonies

Analogous

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



14.4266, 16.5135, 29.0856



16.2086, 16.5135, 29.9369



17.9823, 16.5135, 27.1283

Triad

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



16.2086, 16.5135, 29.9369



18.6290, 16.5135, 12.4231



12.6430, 16.5135, 14.4963

Complementary

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



16.2086, 16.5135, 29.9369



22.4889, 23.5878, 14.9235

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.



13.6114, 16.5135, 11.1619



16.2086, 16.5135, 29.9369



17.0369, 16.5135, 10.1372

Square

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



16.2086, 16.5135, 29.9369



19.4492, 16.5135, 16.5657



15.1935, 16.5135, 9.7253



12.4589, 16.5135, 19.4734

Rectangle

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



16.2086, 16.5135, 29.9369



18.8894, 16.5135, 23.8290



15.1935, 16.5135, 9.7253



12.8837, 16.5135, 13.1768

Sweetspot

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



16.2091, 16.5141, 29.9373



42.3886, 44.3901, 55.7686



19.6007, 25.1163, 25.4602



9.4824, 9.9220, 12.7002



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.2091, 16.5141, 29.9373



25.5816, 25.6260, 53.0326



15.6961, 13.9673, 29.4727



5.6357, 5.9053, 7.3126



5.3992, 3.4932, 24.3207



0.0898, 0.0901, 0.3056

Inverse Universe

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



19.3814, 16.1312, 17.7155



32.2507, 25.1532, 27.2641



23.1227, 27.1543, 15.5785



5.8696, 5.8429, 6.4192



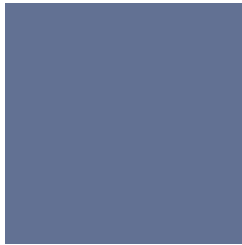
10.8523, 5.5460, 2.7035



0.1448, 0.0727, 0.0961

Previews

White Background



This preview shows how the XYZ color 16.2086, 16.5135, 29.9369 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 16.2086, 16.5135, 29.9369 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

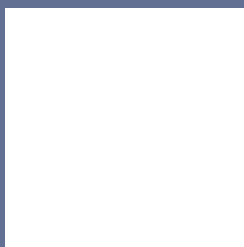
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2086, 16.5135, 29.9369

Background



This preview shows how black text looks on a background with the XYZ color 16.2086, 16.5135, 29.9369.



This preview shows how white text looks on a background with the XYZ color 16.2086, 16.5135,

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

16.2086, 16.5135, 29.9369

Protanopia

16.6914, 16.6067, 29.5198

Deuteranopia

16.7766, 16.4787, 29.9003



Tritanopia

14.6414, 16.5561, 22.1626

Trichromacy



Original Color

16.2086, 16.5135, 29.9369

Protanomaly

16.4620, 16.4884, 29.5091

Deuteranomaly

16.5401, 16.5197, 29.9206

Tritanomaly

15.2678, 16.6449, 24.9623

Monochromacy



Original Color

16.2086, 16.5135, 29.9369

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.5592, 16.1948, 21.7079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2086, 16.5135, 29.9369 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(98, 113, 147) looks like.

```
.text, #text, p{  
    color:rgb(98, 113, 147)  
}
```

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(98, 113, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 113, 147) }
```

Border

The CSS property to change the border of an element to XYZ 16.2086, 16.5135, 29.9369 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(98, 113, 147) }
```


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

```
.border{ border-color:rgb(98, 113, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 113, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 113, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 113, 147);  
box-shadow:4px 4px 4px 4px rgb(98, 113,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2086, 16.5135, 29.9369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 113, 147) }
```

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

```
.background{ background-color: rgb(98, 113,  
147) }
```

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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