

Converting Colors

XYZ(16.1661, 16.0205, 29.0284)

Have a look what the booklet for
XYZ(16.1661, 16.0205, 29.0284)
contains.

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Color

**XYZ(16.1663, 16.0210,
29.0284)**

Conversions

Conversions Part 1

Format	Color
Hex	666E91
RGB	102, 110, 145
RGB Percent	40%, 43%, 57%
CMY	0.6000, 0.5686, 0.4314
CMYK	0.30, 0.24, 0.00, 0.43
HSL	229°, 17%, 48%
HSV	229°, 30%, 57%
XYZ	16.1663, 16.0210, 29.0284
YIQ	111.5980, -16.0030, 9.1890

Conversions

Conversions Part 2

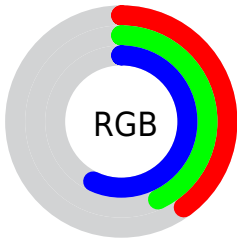
Format	Color
RYB	102, 109, 145
Decimal	6712977
CIELab	47.00, 5.47, -20.10
CIElCh	47, 20.828, 285.226
Yxy	16.0210, 0.2641, 0.2617
Android (android.graphics.Color)	4284903057 (0xFF666E91)
YUV	111.5980, 16.4672, -8.4174
Hunter-Lab	40.0262, 2.0489, -14.9808

Details

The XYZ color **16.1663, 16.0210, 29.0284** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.0213, 24.8707, 16.1581**, and the grayscale version is **15.2407, 16.0344, 17.4615**.

A 20% lighter version of the original color is **36.3801, 36.4833, 59.1574**, and **5.2661, 5.1200, 11.3004** is the 20% darker color. If you saturate the color by 10%, you get **13.4749, 12.8677, 28.5619**, and if you desaturate by 10%, it is **19.3159, 19.6630, 29.5657**.

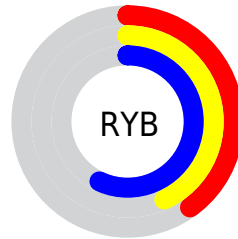
Distribution



Red (40%)

Green (43%)

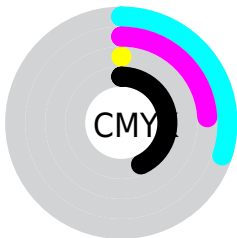
Blue (57%)



Red (40%)

Yellow (43%)

Blue (57%)

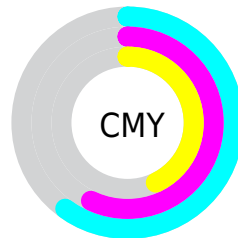


Cyan (30%)

Magenta (24%)

Yellow (0%)

Black (43%)



Cyan (60%)

Magenta (57%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1663, 16.0210, 29.0284 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 16.1663, 16.0210, 29.0284 by changing the saturation by 10% instead.

■ 16.1663, 16.0210,
29.0284

■ 16.1663, 16.0210,
29.0284

223.5722,
229.4656, 311.4141

■ 9.7335, 9.5390,
18.8565

■ 36.4418, 36.6347,
59.1649

■ 5.2835, 5.0944,
11.3909

■ 51.0152, 51.5351,
79.9667

■ 2.4510, 2.3028,
6.2129

■ 69.0328, 70.0105,
105.1488

■ 0.8706, 0.7752,
2.9041

■ 90.8601, 92.4453,
135.1299

■ 0.0000, 0.0000,
1.0459

116.8623,
119.2238, 170.3284

■ 0.0000, 0.0000,
0.0000

147.4048,

150.7304, 211.1629

182.8530,
187.3495, 258.0519

■ 16.1663, 16.0210,
29.0284

■ 16.1663, 16.0210,
29.0284

■ 13.4749, 12.8677,
28.5619

■ 19.3159, 19.6630,
29.5657

■ 11.2183, 10.1802,
28.1621

■ 22.9422, 23.8116,
30.1753

■ 9.3739, 7.9365,
27.8262

■ 27.0647, 28.4859,
30.8602

■ 7.9158, 6.1120,
27.5509

■ 31.7014, 33.7038,
31.6230

■ 6.8153, 4.6798,
27.3325

■ 36.8692, 39.4819,
32.4659

■ 6.0397, 3.6094,
27.1667

■ 42.5843, 45.8365,
33.3913

■ 5.5180, 2.8493,
27.0475

■ 48.8624, 52.7830,
34.4012

■ 5.5023, 2.8272,
27.0441

■ 55.7182, 60.3362,
35.4978

■ 63.1662, 68.5105,
36.6830

Harmonies

Analogous

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



14.3513, 16.0210, 29.0571



16.1663, 16.0210, 29.0284



17.8526, 16.0210, 25.5091

Triad

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



16.1663, 16.0210, 29.0284



17.8310, 16.0210, 11.2464



12.0846, 16.0210, 15.0083

Complementary

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



16.1663, 16.0210, 29.0284



23.0213, 24.8707, 16.1581

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.



12.8732, 16.0210, 11.2881



16.1663, 16.0210, 29.0284



16.1386, 16.0210, 9.4291

Square

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



16.1663, 16.0210, 29.0284



18.8647, 16.0210, 14.9393



14.3257, 16.0210, 9.4427



12.0907, 16.0210, 20.2143

Rectangle

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



16.1663, 16.0210, 29.0284



18.6355, 16.0210, 21.9960



14.3257, 16.0210, 9.4427



12.2626, 16.0210, 13.5680

Sweetspot

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



16.1668, 16.0216, 29.0288



41.4100, 43.0118, 54.0931



20.0778, 24.8649, 27.1835



9.0097, 9.3380, 11.9997



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.1668, 16.0216, 29.0288



25.4488, 24.5960, 51.3798



16.9198, 15.1857, 28.8277



5.2058, 5.4073, 6.7981



4.7345, 2.4550, 23.2014



0.0574, 0.0477, 0.2259

Inverse Universe

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



19.2434, 16.6488, 16.9518



31.9829, 26.1036, 25.6908



22.0555, 26.1241, 16.4510



5.4473, 5.4395, 5.8537



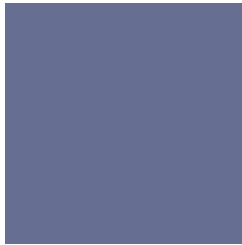
10.1929, 5.2342, 1.4010



0.1036, 0.0525, 0.0455

Previews

White Background



This preview shows how the XYZ color 16.1663, 16.0210, 29.0284 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 16.1663, 16.0210, 29.0284 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

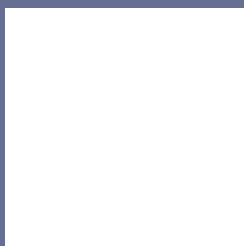
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.1663, 16.0210, 29.0284

Background



This preview shows how black text looks on a background with the XYZ color 16.1663, 16.0210, 29.0284.



This preview shows how white text looks on a background with the XYZ color 16.1663, 16.0210,

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

16.1663, 16.0210, 29.0284

Protanopia

16.1663, 16.0210, 29.0284

Deuteranopia

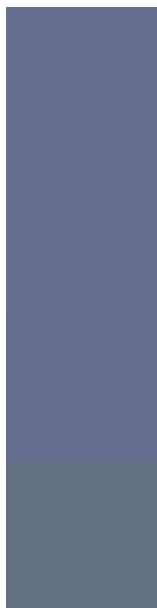
16.2884, 15.9247, 29.0033



Tritanopia

14.5222, 16.0061, 21.0630

Trichromacy



Original Color

16.1663, 16.0210, 29.0284

Protanomaly

16.1663, 16.0210, 29.0284

Deuteranomaly

16.1730, 15.8652, 28.9979

Tritanomaly

15.1475, 16.1016, 23.7823

Monochromacy



Original Color

16.1663, 16.0210, 29.0284

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.5069, 16.0123, 21.3422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1663, 16.0210, 29.0284 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(102, 110, 145)` looks like.

```
.text, #text, p{  
    color:rgb(102, 110, 145)  
}
```

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(102, 110, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 110, 145) }
```

Border

The CSS property to change the border of an element to XYZ 16.1663, 16.0210, 29.0284 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(102, 110, 145) }
```


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

```
.border{ border-color:rgb(102, 110, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 110, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 110, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 110, 145);  
box-shadow:4px 4px 4px 4px rgb(102, 110,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1663, 16.0210, 29.0284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 110, 145) }
```

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

```
.background{ background-color: rgb(102,  
110, 145) }
```

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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