

Converting Colors

XYZ(12.6165, 13.7120, 28.3474)

Have a look what the booklet for
XYZ(12.6165, 13.7120, 28.3474)
contains.

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Color

**XYZ(12.6065, 13.7223,
28.3698)**

Conversions

Conversions Part 1

Format	Color
Hex	436B90
RGB	67, 107, 144
RGB Percent	26%, 42%, 56%
CMY	0.7372, 0.5804, 0.4353
CMYK	0.53, 0.26, 0.00, 0.44
HSL	209°, 36%, 41%
HSV	209°, 53%, 56%
XYZ	12.6065, 13.7223, 28.3698
YIQ	99.2580, -35.7170, 3.0270

Conversions

Conversions Part 2

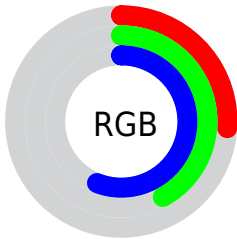
Format	Color
R_{YB}	67, 93, 144
Decimal	4418448
CIE _{Lab}	43.83, -2.91, -24.58
CIE _{LCh}	44, 24.753, 263.255
Yxy	13.7223, 0.2305, 0.2509
Android (android.graphics.Color)	4282608528 (0xFF436B90)
YUV	99.2580, 22.0578, -28.2903
Hunter-Lab	37.0436, -4.0801, -19.4766

Details

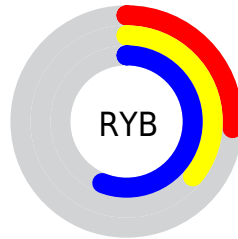
The XYZ color **12.6065, 13.7223, 28.3698** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **17.4656, 16.2359, 7.5241**, and the grayscale version is **11.8778, 12.4963, 13.6085**.

A 20% lighter version of the original color is **30.1656, 32.5240, 58.1139**, and **3.6417, 4.0478, 10.9453** is the 20% darker color. If you saturate the color by 10%, you get **11.0466, 11.8899, 28.0986**, and if you desaturate by 10%, it is **14.4706, 15.7977, 28.6724**.

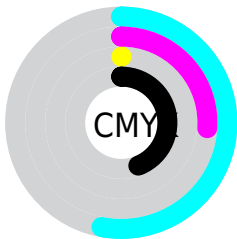
Distribution



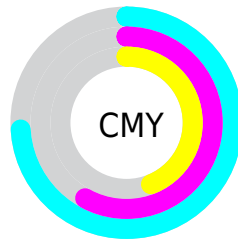
- Red (26%)
- Green (42%)
- Blue (56%)



- Red (26%)
- Yellow (36%)
- Blue (56%)



- Cyan (53%)
- Magenta (26%)
- Yellow (0%)
- Black (44%)



- Cyan (74%)
- Magenta (58%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6065, 13.7223, 28.3698 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 12.6065, 13.7223, 28.3698 by changing the saturation by 10% instead.

■ 12.6065, 13.7223,
28.3698

■ 12.6065, 13.7223,
28.3698

202.0691,
215.4963, 308.1971

■ 7.2333, 7.9278,
18.3631

■ 30.2024, 32.5955,
58.1045

■ 3.6560, 4.0488,
11.0389

■ 43.1557, 46.4429,
78.6696

■ 1.5094, 1.7009,
5.9785

■ 59.3665, 63.7434,
103.5913

■ 0.3322, 0.4242,
2.7634

■ 79.2001, 84.8815,
133.2881

■ 0.0000, 0.0000,
0.9751

■ 103.0217,
110.2414, 168.1785

■ 0.0000, 0.0000,
0.0000

131.1969,

140.2076, 208.6811

164.0909,
175.1644, 255.2145

■ 12.6065, 13.7223,
28.3698

■ 12.6065, 13.7223,
28.3698

■ 11.0466, 11.8899,
28.0986

■ 14.4706, 15.7977,
28.6724

■ 9.7696, 10.2868,
27.8565

■ 16.6554, 18.1259,
29.0066

■ 8.7533, 8.8998,
27.6423

■ 19.1779, 20.7177,
29.3740

■ 7.9711, 7.7130,
27.4545

■ 22.0533, 23.5827,
29.7754

■ 7.5369, 7.0193,
27.3434

■ 25.2958, 26.7301,
30.2120

■ 28.9190, 30.1685,
30.6847

■ 32.9355, 33.9061,
31.1945

■ 37.3575, 37.9509,
31.7421

■ 42.1965, 42.3103,
32.3285

Harmonies

Analogous

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



10.9224, 13.7223, 25.3231



12.6065, 13.7223, 28.3698



14.5823, 13.7223, 27.1616

Triad

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



12.6065, 13.7223, 28.3698



16.8063, 13.7223, 11.0843



10.2588, 13.7223, 9.3862

Complementary

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



12.6065, 13.7223, 28.3698



17.4656, 16.2359, 7.5241

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.



11.6153, 13.7223, 7.0779



12.6065, 13.7223, 28.3698



15.4209, 13.7223, 7.8737

Square

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



12.6065, 13.7223, 28.3698



17.1390, 13.7223, 16.2404



13.4887, 13.7223, 6.6032



9.6573, 13.7223, 13.7133

Rectangle

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



12.6065, 13.7223, 28.3698



15.7891, 13.7223, 24.2234



13.4887, 13.7223, 6.6032



10.6347, 13.7223, 8.3971

Sweetspot

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



12.6070, 13.7228, 28.3701



37.3818, 40.0994, 52.3078



14.7333, 22.1181, 16.3078



8.3571, 8.9818, 11.9654



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.



12.6070, 13.7228, 28.3701



19.0319, 20.4200, 49.4764



9.5125, 7.5339, 27.3386



5.3468, 5.6893, 6.8451



6.5869, 6.1597, 23.8189



0.0850, 0.1030, 0.2351

Inverse Universe

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



16.1630, 11.0057, 15.1828



26.2501, 16.0562, 22.4503



22.1040, 25.5127, 9.0703



5.5185, 5.4679, 6.2284



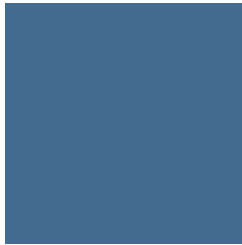
11.1279, 5.6082, 6.3246



0.1175, 0.0581, 0.1191

Previews

White Background



This preview shows how the XYZ color 12.6065, 13.7223, 28.3698 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 12.6065, 13.7223, 28.3698 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

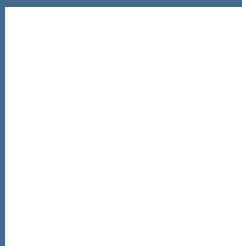
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6065, 13.7223, 28.3698

Background



This preview shows how black text looks on a background with the XYZ color 12.6065, 13.7223, 28.3698.

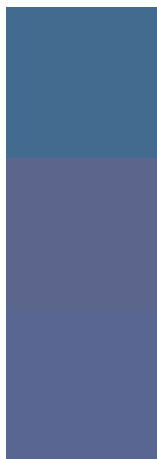


This preview shows how white text looks on a background with the XYZ color 12.6065, 13.7223,

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

12.6065, 13.7223, 28.3698

Protanopia

13.8986, 13.6715, 26.7173

Deuteranopia

13.8867, 13.6218, 28.6854



Tritanopia

10.8782, 13.6548, 19.8316

Trichromacy



Original Color

12.6065, 13.7223, 28.3698

Protanomaly

13.3253, 13.6627, 27.1342

Deuteranomaly

13.3694, 13.6504, 28.7182

Tritanomaly

11.5250, 13.7610, 22.8176

Monochromacy



Original Color

12.6065, 13.7223, 28.3698

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.7764, 12.7668, 18.0632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6065, 13.7223, 28.3698 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(67, 107, 144)` looks like.

```
.text, #text, p{  
    color:rgb(67, 107, 144)  
}
```

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(67, 107, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 107, 144) }
```

Border

The CSS property to change the border of an element to XYZ 12.6065, 13.7223, 28.3698 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(67, 107, 144) }
```


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

```
.border{ border-color:rgb(67, 107, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 107, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 107, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 107, 144);  
box-shadow:4px 4px 4px 4px rgb(67, 107,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6065, 13.7223, 28.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 107, 144) }
```

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

```
.background{ background-color: rgb(67, 107,  
144) }
```

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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