

Converting Colors

XYZ(12.5622, 12.1692, 28.4764)

Have a look what the booklet for
XYZ(12.5622, 12.1692, 28.4764)
contains.

XYZ(12.6100, 12.2560, 28.4891)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.6100, 12.2560,
28.4891)**

Conversions

Conversions Part 1

Format	Color
Hex	4F6191
RGB	79, 97, 145
RGB Percent	31%, 38%, 57%
CMY	0.6902, 0.6196, 0.4314
CMYK	0.46, 0.33, 0.00, 0.43
HSL	224°, 29%, 44%
HSV	224°, 46%, 57%
XYZ	12.6100, 12.2560, 28.4891
YIQ	97.0900, -26.1360, 11.1120

Conversions

Conversions Part 2

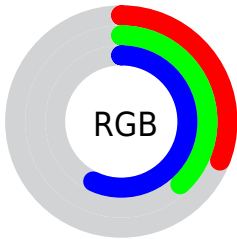
Format	Color
R_{YB}	79, 93, 145
Decimal	5202321
CIE _{Lab}	41.62, 6.65, -28.57
CIE _{LCh}	42, 29.338, 283.102
Yxy	12.2560, 0.2363, 0.2297
Android (android.graphics.Color)	4283392401 (0xFF4F6191)
YUV	97.0900, 23.6196, -15.8649
Hunter-Lab	35.0086, 3.0303, -23.7427

Details

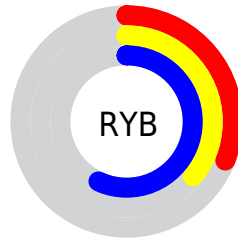
The XYZ color **12.6100, 12.2560, 28.4891** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **20.6782, 21.7636, 10.5087**, and the grayscale version is **11.3332, 11.9234, 12.9846**.

A 20% lighter version of the original color is **30.1026, 29.8163, 58.2014**, and **3.6562, 3.4088, 11.0549** is the 20% darker color. If you saturate the color by 10%, you get **10.6224, 9.8799, 28.1355**, and if you desaturate by 10%, it is **14.9911, 15.0277, 28.8988**.

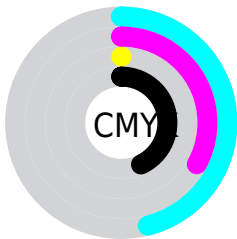
Distribution



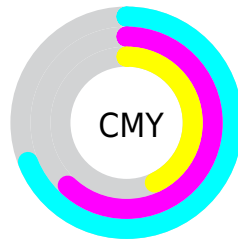
- Red (31%)
- Green (38%)
- Blue (57%)



- Red (31%)
- Yellow (36%)
- Blue (57%)



- Cyan (46%)
- Magenta (33%)
- Yellow (0%)
- Black (43%)



- Cyan (69%)
- Magenta (62%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6100, 12.2560, 28.4891 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 12.6100, 12.2560, 28.4891 by changing the saturation by 10% instead.

■ 12.6100, 12.2560,
28.4891

■ 12.6100, 12.2560,
28.4891

202.0914,
206.0928, 308.7818

■ 7.2357, 6.9183,
18.4524

■ 30.2086, 29.9605,
58.2968

■ 3.6576, 3.4110,
11.1025

■ 43.1637, 43.0961,
78.9050

■ 1.5103, 1.3499,
6.0208

■ 59.3763, 59.5997,
103.8740

■ 0.3328, 0.1794,
2.7887

■ 79.2120, 79.8558,
133.6225

■ 0.0000, 0.0000,
0.9878

■ 103.0359,
104.2488, 168.5690

■ 0.0000, 0.0000,
0.0000

131.2136,

133.1630, 209.1321

164.1103,
166.9829, 255.7301

■ 12.6100, 12.2560,
28.4891

■ 12.6100, 12.2560,
28.4891

■ 10.6224, 9.8799,
28.1355

■ 14.9911, 15.0277,
28.8988

■ 9.0047, 7.8791,
27.8345

■ 17.7850, 18.2115,
29.3661

■ 7.7325, 6.2331,
27.5839

■ 21.0111, 21.8243,
29.8934

■ 6.7778, 4.9190,
27.3805

■ 24.6873, 25.8817,
30.4828

■ 6.1032, 3.9081,
27.2210

■ 28.8303, 30.3986,
31.1363

■ 5.8544, 3.5314,
27.1614

■ 33.4562, 35.3890,
31.8557

■ 38.5799, 40.8666,
32.6430

■ 44.2161, 46.8442,
33.4997

■ 50.3786, 53.3342,
34.4276

Harmonies

Analogous

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



10.4898, 12.2560, 28.1543



12.6100, 12.2560, 28.4891



14.7035, 12.2560, 23.9720

Triad

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



12.6100, 12.2560, 28.4891



14.9305, 12.2560, 6.7868



8.1287, 12.2560, 10.1947

Complementary

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



12.6100, 12.2560, 28.4891



20.6782, 21.7636, 10.5087

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.



9.0498, 12.2560, 6.4400



12.6100, 12.2560, 28.4891



12.8906, 12.2560, 4.9279

Square

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



12.6100, 12.2560, 28.4891



16.1499, 12.2560, 10.8402



10.7380, 12.2560, 4.8243



8.0731, 12.2560, 16.2080

Rectangle

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



12.6100, 12.2560, 28.4891



15.7319, 12.2560, 19.4398



10.7380, 12.2560, 4.8243



8.3417, 12.2560, 8.6788

Sweetspot

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



12.6104, 12.2564, 28.4894



38.3891, 39.9294, 53.6574



17.1356, 23.4275, 23.4596



8.2727, 8.5857, 11.8934



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.



12.6104, 12.2564, 28.4894



18.8209, 17.4476, 50.3493



12.4520, 9.9797, 28.0583



5.2419, 5.4795, 6.8101



5.0409, 3.0678, 23.3035



0.0646, 0.0621, 0.2283

Inverse Universe

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



16.6311, 12.4753, 12.8411



27.1467, 18.4613, 17.8200



20.8507, 25.6170, 11.2434



5.4656, 5.4467, 5.9496



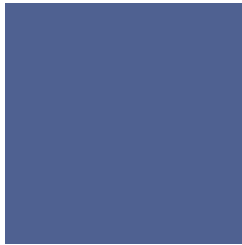
10.3475, 5.2960, 2.2154



0.1072, 0.0539, 0.0647

Previews

White Background



This preview shows how the XYZ color 12.6100, 12.2560, 28.4891 looks on a white background.

Color Contrast Check

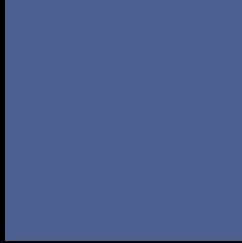
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6100, 12.2560, 28.4891 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

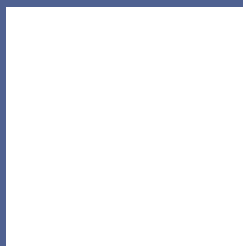
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6100, 12.2560, 28.4891

Background



This preview shows how black text looks on a background with the XYZ color 12.6100, 12.2560, 28.4891.



This preview shows how white text looks on a background with the XYZ color 12.6100, 12.2560,

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

12.6100, 12.2560, 28.4891

Protanopia

12.6966, 12.1732, 28.0660

Deuteranopia

12.5274, 12.2134, 28.4852



Tritanopia

10.4007, 12.3726, 17.1692

Trichromacy



Original Color

12.6100, 12.2560, 28.4891

Protanomaly

12.6103, 12.1287, 28.0620

Deuteranomaly

12.5274, 12.2134, 28.4852

Tritanomaly

11.0394, 12.1791, 20.8377

Monochromacy



Original Color

12.6100, 12.2560, 28.4891

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.5284, 11.9380, 17.6162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6100, 12.2560, 28.4891 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(79, 97, 145)` looks like.

```
.text, #text, p{  
    color:rgb(79, 97, 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(79, 97, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 97, 145) }
```

Border

The CSS property to change the border of an element to XYZ 12.6100, 12.2560, 28.4891 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(79, 97, 145) }
```


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

```
.border{ border-color:rgb(79, 97, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 97, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 97, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 97, 145);  
box-shadow:4px 4px 4px 4px rgb(79, 97,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6100, 12.2560, 28.4891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 97, 145) }
```

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

```
.background{ background-color: rgb(79, 97,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor