

Converting Colors

XYZ(1.1116, 6.8068, 42.9118)

Have a look what the booklet for
XYZ(1.1116, 6.8068, 42.9118)
contains.

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Color

**XYZ(12.7861, 12.8748,
43.4062)**

Conversions

Conversions Part 1

Format	Color
Hex	0067B1
RGB	0, 103, 177
RGB Percent	0%, 40%, 69%
CMY	0.9998, 0.5961, 0.3059
CMYK	1.00, 0.42, 0.00, 0.31
HSL	205°, 100%, 35%
HSV	205°, 100%, 69%
XYZ	12.7861, 12.8748, 43.4062
YIQ	80.6390, -85.1420, 1.1780

Conversions

Conversions Part 2

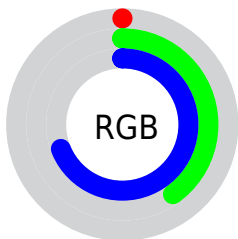
Format	Color
RYB	0, 65, 177
Decimal	26545
CIELab	42.57, 3.72, -46.21
CIELCh	43, 46.355, 274.603
Yxy	12.8748, 0.1851, 0.1864
Android (android.graphics.Color)	4278216625 (0xFF0067B1)
YUV	80.6390, 47.5060, -70.7204
Hunter-Lab	35.8815, 0.8146, -46.6067

Details

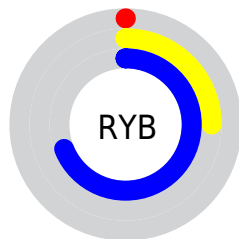
The XYZ color **12.7861, 12.8748, 43.4062** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.5832, 14.2500, 1.6668**, and the grayscale version is **7.6740, 8.0736, 8.7922**.

A 20% lighter version of the original color is **30.5780, 31.2185, 81.5049**, and **5.1012, 4.3815, 19.6456** is the 20% darker color. If you saturate the color by 10%, you get **12.7846, 12.8717, 43.4060**, and if you desaturate by 10%, it is **13.7999, 14.5393, 43.6743**.

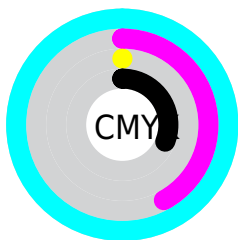
Distribution



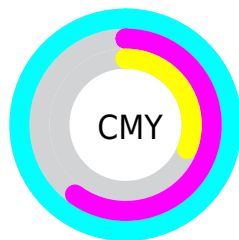
- Red (0%)
- Green (40%)
- Blue (69%)



- Red (0%)
- Yellow (25%)
- Blue (69%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (60%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7861, 12.8748, 43.4062 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 12.7861, 12.8748, 43.4062 by changing the saturation by 10% instead.

■ 12.7861, 12.8748,
43.4062

■ 12.7861, 12.8748,
43.4062

203.2077,
210.1137, 376.2498

■ 7.3574, 7.3424,
29.8702

■ 30.5236, 31.0787,
81.6164

■ 3.7349, 3.6771,
19.4889

■ 43.5630, 44.5189,
107.1277

■ 1.5533, 1.4946,
11.8437

■ 59.8701, 61.3639,
137.4678

■ 0.3617, 0.2850,
6.5161

■ 79.8102, 81.9980,
173.0553

■ 0.0000, 0.0000,
3.0875

■ 103.7487,
106.8057, 214.3087

■ 0.0000, 0.0000,
1.1395

■ 132.0508,

■ 0.0000, 0.0000,

136.1712, 261.6465

0.0000

165.0820,
170.4791, 315.4874

■ 12.7861, 12.8748,
43.4062

■ 12.7861, 12.8748,
43.4062

■ 12.7846, 12.8717,
43.4060

■ 13.7999, 14.5393,
43.6743

■ 15.0993, 16.4501,
43.9747

■ 16.7710, 18.6543,
44.3120

■ 18.8564, 21.1755,
44.6888

■ 21.3909, 24.0341,
45.1069

■ 24.4058, 27.2484,
45.5685

■ 27.9293, 30.8350,
46.0750

■ 31.9873, 34.8092,
46.6282

■ 36.6039, 39.1853,
47.2296

Harmonies

Analogous

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



9.5680, 12.8748, 39.6870



12.7861, 12.8748, 43.4062



16.4779, 12.8748, 36.6665

Triad

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



12.7861, 12.8748, 43.4062



18.6658, 12.8748, 5.6652



7.1022, 12.8748, 7.2623

Complementary

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



12.7861, 12.8748, 43.4062



20.5832, 14.2500, 1.6668

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.



8.7946, 12.8748, 3.3765



12.7861, 12.8748, 43.4062



15.3615, 12.8748, 2.8115

Square

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



12.7861, 12.8748, 43.4062



20.2603, 12.8748, 12.5255



11.7041, 12.8748, 2.2379



6.6731, 12.8748, 15.6256

Rectangle

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



12.7861, 12.8748, 43.4062



18.5950, 12.8748, 28.4361



11.7041, 12.8748, 2.2379



7.5240, 12.8748, 5.5464

Sweetspot

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



12.7866, 12.8752, 43.4065



49.6592, 54.8636, 82.4677



16.9511, 31.9361, 11.7093



10.1800, 11.3033, 17.7895



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



12.7866, 12.8752, 43.4065



22.6731, 22.6057, 77.6636



8.1042, 3.5102, 41.8457



8.4389, 9.0240, 10.8034



9.3238, 9.4480, 31.4692



0.3494, 0.4094, 1.0088

Inverse Universe

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



20.5802, 10.3273, 13.7407



36.7433, 18.4485, 24.0072



31.0969, 35.2774, 5.1713



8.6967, 8.5854, 9.9014



14.9409, 7.4939, 10.1146



0.4984, 0.2471, 0.4673

Previews

White Background



This preview shows how the XYZ color 12.7861, 12.8748, 43.4062 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 12.7861, 12.8748, 43.4062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

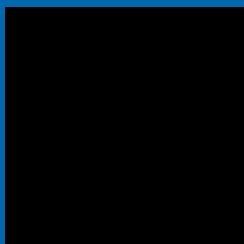
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7861, 12.8748, 43.4062

Background



This preview shows how black text looks on a background with the XYZ color 12.7861, 12.8748, 43.4062.



This preview shows how white text looks on a background with the XYZ color 12.7861, 12.8748,

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

12.7861, 12.8748, 43.4062

Protanopia

14.1980, 12.9429, 40.7796

Deuteranopia

13.2828, 12.9841, 43.4011



Tritanopia

9.1239, 12.9203, 19.4657

Trichromacy



Original Color

12.7861, 12.8748, 43.4062

Protanomaly

13.1934, 12.6839, 41.7973

Deuteranomaly

12.9757, 12.8258, 43.3867

Tritanomaly

10.2023, 12.8307, 26.7498

Monochromacy



Original Color

12.7861, 12.8748, 43.4062

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

8.1409, 9.1358, 17.8573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7861, 12.8748, 43.4062 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(0, 103, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 177)  
}
```

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(0, 103, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 177) }
```

Border

The CSS property to change the border of an element to XYZ 12.7861, 12.8748, 43.4062 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(0, 103, 177) }
```


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

```
.border{ border-color:rgb(0, 103, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 103, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 103,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7861, 12.8748, 43.4062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 177) }
```

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

```
.background{ background-color: rgb(0, 103,  
177) }
```

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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