

Converting Colors

XYZ(10.5954, 12.3782, 42.5214)

Have a look what the booklet for
XYZ(10.5954, 12.3782, 42.5214)
contains.

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Color

**XYZ(12.9956, 13.6105,
42.4996)**

Conversions

Conversions Part 1

Format	Color
Hex	006BAF
RGB	0, 107, 175
RGB Percent	0%, 42%, 69%
CMY	0.9998, 0.5804, 0.3137
CMYK	1.00, 0.39, 0.00, 0.31
HSL	203°, 100%, 34%
HSV	203°, 100%, 69%
XYZ	12.9956, 13.6105, 42.4996
YIQ	82.7590, -85.6000, -1.5360

Conversions

Conversions Part 2

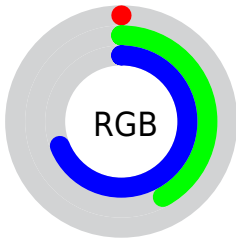
Format	Color
R _Y B	0, 66, 175
Decimal	27567
CIE Lab	43.67, 0.39, -43.29
CIE LCh	44, 43.287, 270.519
Yxy	13.6105, 0.1881, 0.1970
Android (android.graphics.Color)	4278217647 (0xFF006BAF)
YUV	82.7590, 45.4748, -72.5796
Hunter-Lab	36.8924, -1.6839, -42.4767

Details

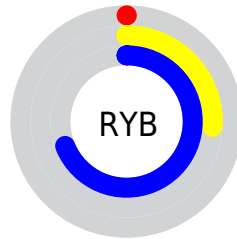
The XYZ color **12.9956, 13.6105, 42.4996** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **19.7490, 13.2531, 1.5183**, and the grayscale version is **8.0988, 8.5205, 9.2789**.

A 20% lighter version of the original color is **30.8671, 32.3969, 80.2277**, and **5.1287, 4.6369, 19.0370** is the 20% darker color. If you saturate the color by 10%, you get **12.9941, 13.6075, 42.4994**, and if you desaturate by 10%, it is **13.9739, 15.2094, 42.7570**.

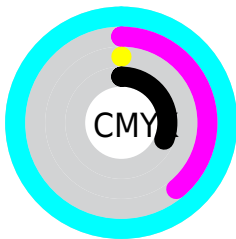
Distribution



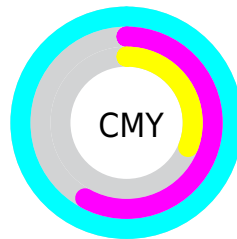
- Red (0%)
- Green (42%)
- Blue (69%)



- Red (0%)
- Yellow (26%)
- Blue (69%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (58%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9956, 13.6105, 42.4996 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 12.9956, 13.6105, 42.4996 by changing the saturation by 10% instead.

■ 12.9956, 13.6105,
42.4996

■ 12.9956, 13.6105,
42.4996

204.5276,
214.7941, 372.4104

■ 7.5025, 7.8503,
29.1642

■ 30.8973, 32.3963,
80.2334

■ 3.8274, 3.9993,
18.9584

■ 44.0365, 46.1907,
105.4689

■ 1.6050, 1.6732,
11.4637

■ 60.4552, 63.4319,
135.5082

■ 0.3956, 0.4062,
6.2616

■ 80.5187, 84.5043,
170.7699

■ 0.0000, 0.0000,
2.9334

■ 104.5923,
109.7923, 211.6723

■ 0.0000, 0.0000,
1.0607

■ 133.0415,

■ 0.0000, 0.0000,

139.6804, 258.6342

0.0000

166.2314,
174.5528, 312.0741

■ 12.9956, 13.6105,
42.4996

■ 12.9956, 13.6105,
42.4996

■ 12.9941, 13.6075,
42.4994

■ 13.9739, 15.2094,
42.7570

■ 15.2217, 17.0318,
43.0430

■ 16.8238, 19.1232,
43.3622

■ 18.8202, 21.5061,
43.7169

■ 21.2450, 24.1996,
44.1090

■ 24.1283, 27.2209,
44.5402

■ 27.4973, 30.5857,
45.0121

■ 31.3769, 34.3083,
45.5262

■ 35.7903, 38.4021,
46.0838

Harmonies

Analogous

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



9.9807, 13.6105, 37.7969



12.9956, 13.6105, 42.4996



16.5449, 13.6105, 37.4816

Triad

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



12.9956, 13.6105, 42.4996



19.4185, 13.6105, 7.2052



8.0427, 13.6105, 7.3881

Complementary

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



12.9956, 13.6105, 42.4996



19.7490, 13.2531, 1.5183

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.



9.8948, 13.6105, 3.8400



12.9956, 13.6105, 42.4996



16.4245, 13.6105, 3.7716

Square

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



12.9956, 13.6105, 42.4996



20.6288, 13.6105, 14.6508



12.8773, 13.6105, 2.8803



7.4424, 13.6105, 14.9895

Rectangle

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



12.9956, 13.6105, 42.4996



18.6611, 13.6105, 30.1795



12.8773, 13.6105, 2.8803



8.5215, 13.6105, 5.8237

Sweetspot

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



12.9962, 13.6109, 42.5000



48.8971, 54.4355, 80.5668



16.3469, 31.0670, 10.4621



10.2942, 11.5317, 17.8276



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.



12.9962, 13.6109, 42.5000



23.0539, 23.9346, 76.0416



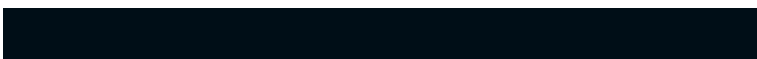
7.9966, 3.6118, 40.8334



7.9710, 8.5414, 10.1812



9.3665, 9.8668, 30.4553



0.3116, 0.3766, 0.8642

Inverse Universe

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



20.3336, 10.1764, 14.8026



36.3043, 18.1794, 25.9238



29.3325, 32.4200, 4.7128



8.2032, 8.0945, 9.3807



14.5914, 7.2991, 10.7597



0.4317, 0.2134, 0.4350

Previews

White Background



This preview shows how the XYZ color 12.9956, 13.6105, 42.4996 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 12.9956, 13.6105, 42.4996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

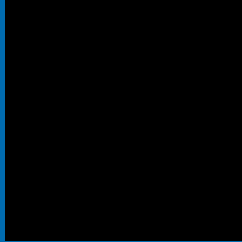
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9956, 13.6105, 42.4996

Background



This preview shows how black text looks on a background with the XYZ color 12.9956, 13.6105, 42.4996.



This preview shows how white text looks on a background with the XYZ color 12.9956, 13.6105,

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

12.9956, 13.6105, 42.4996

Protanopia

14.7168, 13.6678, 39.3986

Deuteranopia

14.0534, 13.6882, 42.9757



Tritanopia

9.7059, 13.6915, 20.8701

Trichromacy



Original Color

12.9956, 13.6105, 42.4996

Protanomaly

13.4199, 13.2691, 40.3820

Deuteranomaly

13.4531, 13.5290, 42.9766

Tritanomaly

10.6767, 13.5413, 27.6422

Monochromacy



Original Color

12.9956, 13.6105, 42.4996

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

8.4477, 9.6721, 17.9447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9956, 13.6105, 42.4996 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, 107, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 175)  
}
```

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, 107, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 175) }
```

Border

The CSS property to change the border of an element to XYZ 12.9956, 13.6105, 42.4996 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, 107, 175) }
```


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

```
.border{ border-color:rgb(0, 107, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 107, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 107,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9956, 13.6105, 42.4996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 175) }
```

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

```
.background{ background-color: rgb(0, 107,  
175) }
```

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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