

Converting Colors

XYZ(12.0045, 12.6335, 29.4096)

Have a look what the booklet for
XYZ(12.0045, 12.6335, 29.4096)
contains.

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Color

**XYZ(12.0044, 12.6335,
29.4096)**

Conversions

Conversions Part 1

Format	Color
Hex	3E6693
RGB	62, 102, 147
RGB Percent	24%, 40%, 58%
CMY	0.7569, 0.6000, 0.4235
CMYK	0.58, 0.31, 0.00, 0.42
HSL	212°, 41%, 41%
HSV	212°, 58%, 58%
XYZ	12.0044, 12.6335, 29.4096
YIQ	95.1700, -38.2850, 5.5150

Conversions

Conversions Part 2

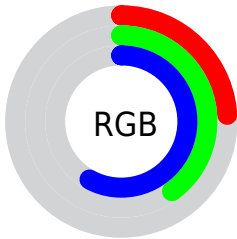
Format	Color
R _{YB}	62, 89, 147
Decimal	4089491
CIE Lab	42.21, -0.02, -28.93
CIE LCh	42, 28.928, 269.954
Yxy	12.6335, 0.2221, 0.2337
Android (android.graphics.Color)	4282279571 (0xFF3E6693)
YUV	95.1700, 25.5522, -29.0901
Hunter-Lab	35.5436, -1.9153, -24.1773

Details

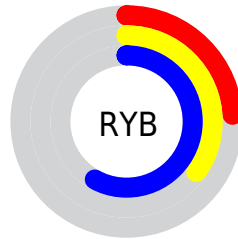
The XYZ color **12.0044, 12.6335, 29.4096** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.1602, 17.0667, 6.8949**, and the grayscale version is **10.8656, 11.4315, 12.4489**.

A 20% lighter version of the original color is **29.1363, 30.7125, 59.6508**, and **3.5255, 3.6729, 11.5895** is the 20% darker color. If you saturate the color by 10%, you get **10.4751, 10.7627, 29.1293**, and if you desaturate by 10%, it is **13.8558, 14.7774, 29.7261**.

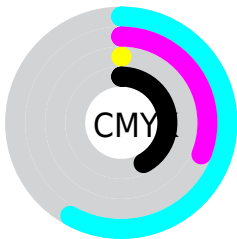
Distribution



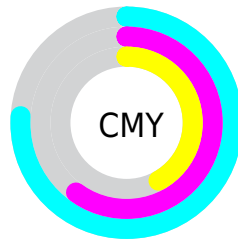
- Red (24%)
- Green (40%)
- Blue (58%)



- Red (24%)
- Yellow (35%)
- Blue (58%)



- Cyan (58%)
- Magenta (31%)
- Yellow (0%)
- Black (42%)



- Cyan (76%)
- Magenta (60%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0044, 12.6335, 29.4096 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 12.0044, 12.6335, 29.4096 by changing the saturation by 10% instead.

■ 12.0044, 12.6335,
29.4096

■ 12.0044, 12.6335,
29.4096

198.2037,
208.5553, 313.2639

■ 6.8189, 7.1767,
19.1427

■ 29.1199, 30.6438,
59.7772

■ 3.3944, 3.5728,
11.5955

■ 41.7806, 43.9660,
80.7149

■ 1.3656, 1.4376,
6.3497

■ 57.6638, 60.6788,
106.0465

■ 0.2315, 0.2442,
2.9867

■ 77.1347, 81.1665,
136.1908

■ 0.0000, 0.0000,
1.0878

■ 100.5589,
105.8137, 171.5661

■ 0.0000, 0.0000,
0.0000

128.3015,

135.0046, 212.5910

160.7280,
169.1237, 259.6841

■ 12.0044, 12.6335,
29.4096

■ 12.0044, 12.6335,
29.4096

■ 10.4751, 10.7627,
29.1293

■ 13.8558, 14.7774,
29.7261

■ 9.2439, 9.1490,
28.8828

■ 16.0483, 17.2063,
30.0794

■ 8.2853, 7.7766,
28.6684

■ 18.6005, 19.9329,
30.4711

■ 7.5517, 6.6175,
28.4833

■ 21.5296, 22.9684,
30.9027

■ 7.4055, 6.3846,
28.4461

■ 24.8515, 26.3237,
31.3752

■ 28.5811, 30.0088,
31.8899

■ 32.7324, 34.0334,
32.4480

■ 37.3189, 38.4068,
33.0504

■ 42.3534, 43.1377,
33.6982

Harmonies

Analogous

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



10.0458, 12.6335, 26.8357



12.0044, 12.6335, 29.4096



14.2033, 12.6335, 26.8507

Triad

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



12.0044, 12.6335, 29.4096



15.9780, 12.6335, 8.6302



8.7593, 12.6335, 8.6179

Complementary

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



12.0044, 12.6335, 29.4096



18.1602, 17.0667, 6.8949

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.



10.0510, 12.6335, 5.8089



12.0044, 12.6335, 29.4096



14.2098, 12.6335, 5.8144

Square

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



12.0044, 12.6335, 29.4096



16.6586, 12.6335, 13.7654



12.0111, 12.6335, 4.9597



8.3147, 12.6335, 13.7461

Rectangle

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



12.0044, 12.6335, 29.4096



15.4763, 12.6335, 22.9166



12.0111, 12.6335, 4.9597



9.1005, 12.6335, 7.4338

Sweetspot

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



12.0049, 12.6339, 29.4099



38.8209, 41.4033, 55.3801



15.0179, 22.9308, 17.2480



8.6348, 9.2189, 12.6092



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.0049, 12.6339, 29.4099



18.1368, 18.4804, 52.0457



9.0661, 6.6228, 28.4045



5.7110, 6.0561, 7.3377



6.4446, 5.5840, 24.6692



0.1080, 0.1266, 0.3116

Inverse Universe

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



16.1539, 10.6080, 13.7670



26.6026, 15.6564, 19.8339



23.0836, 27.2884, 8.6084



5.9076, 5.8581, 6.6195



11.3800, 5.7571, 5.4822



0.1540, 0.0763, 0.1445

Previews

White Background



This preview shows how the XYZ color 12.0044, 12.6335, 29.4096 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 12.0044, 12.6335, 29.4096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

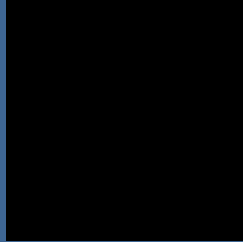
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0044, 12.6335, 29.4096

Background



This preview shows how black text looks on a background with the XYZ color 12.0044, 12.6335, 29.4096.

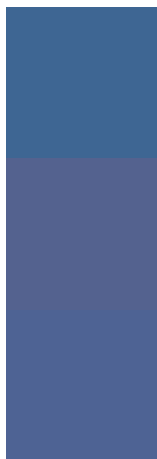


This preview shows how white text looks on a background with the XYZ color 12.0044, 12.6335,

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

12.0044, 12.6335, 29.4096

Protanopia

12.9818, 12.6034, 27.7351

Deuteranopia

12.9490, 12.6815, 29.7823



Tritanopia

9.8401, 12.6624, 18.7551

Trichromacy



Original Color

12.0044, 12.6335, 29.4096

Protanomaly

12.4764, 12.4738, 28.1357

Deuteranomaly

12.5750, 12.6302, 29.7921

Tritanomaly

10.5716, 12.6509, 22.3067

Monochromacy



Original Color

12.0044, 12.6335, 29.4096

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.9722, 11.7893, 17.6168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0044, 12.6335, 29.4096 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(62, 102, 147)` looks like.

```
.text, #text, p{  
    color:rgb(62, 102, 147)  
}
```

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(62, 102, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 102, 147) }
```

Border

The CSS property to change the border of an element to XYZ 12.0044, 12.6335, 29.4096 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(62, 102, 147) }
```


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

```
.border{ border-color:rgb(62, 102, 147) }
```

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

Here you see how a box with a 4 pixel rgb(62, 102, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 102, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 102, 147);  
box-shadow:4px 4px 4px 4px rgb(62, 102,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0044, 12.6335, 29.4096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 102, 147) }
```

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

```
.background{ background-color: rgb(62, 102,  
147) }
```

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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