

Converting Colors

XYZ(16.6864, 23.7010, 12.5446)

Have a look what the booklet for
XYZ(16.6864, 23.7010, 12.5446)
contains.

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Color

**XYZ(16.6779, 23.6626,
12.4924)**

Conversions

Conversions Part 1

Format	Color
Hex	5F9256
RGB	95, 146, 86
RGB Percent	37%, 57%, 34%
CMY	0.6275, 0.4274, 0.6627
CMYK	0.35, 0.00, 0.41, 0.43
HSL	111°, 26%, 45%
HSV	111°, 41%, 57%
XYZ	16.6779, 23.6626, 12.4924
YIQ	123.9110, -11.1360, -29.4720

Conversions

Conversions Part 2

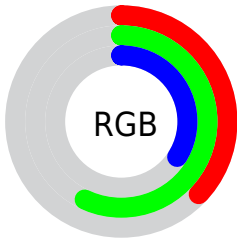
Format	Color
RYB	86, 146, 137
Decimal	6263382
CIELab	55.75, -29.34, 26.52
CIELCh	56, 39.548, 137.887
Yxy	23.6626, 0.3157, 0.4479
Android (android.graphics.Color)	4284453462 (0xFF5F9256)
YUV	123.9110, -18.6901, -25.3549
Hunter-Lab	48.6442, -23.9278, 18.8246

Details

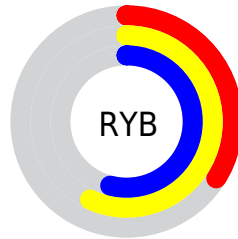
The XYZ color **16.6779, 23.6626, 12.4924** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.8338, 14.0500, 28.9148**, and the grayscale version is **19.1920, 20.1914, 21.9885**.

A 20% lighter version of the original color is **37.2023, 49.3177, 31.2254**, and **5.5406, 8.8888, 3.3431** is the 20% darker color. If you saturate the color by 10%, you get **14.9608, 22.8393, 9.6489**, and if you desaturate by 10%, it is **18.7218, 24.6419, 15.9795**.

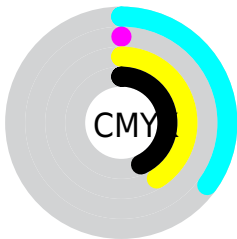
Distribution



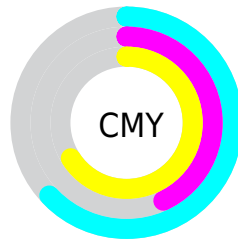
- Red (37%)
- Green (57%)
- Blue (34%)



- Red (34%)
- Yellow (57%)
- Blue (54%)



- Cyan (35%)
- Magenta (0%)
- Yellow (41%)
- Black (43%)



- Cyan (63%)
- Magenta (43%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6779, 23.6626, 12.4924 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 16.6779, 23.6626, 12.4924 by changing the saturation by 10% instead.

■ 16.6779, 23.6626,
12.4924

■ 16.6779, 23.6626,
12.4924

226.5019,
271.1102, 218.7308

■ 10.0990, 15.0835,
6.9534

■ 37.3192, 49.4790,
31.0665

■ 5.5274, 8.8780,
3.3549

■ 52.1122, 67.4852,
44.9386

■ 2.5978, 4.6617,
1.2786

■ 70.3740, 89.4025,
62.4255

■ 0.9448, 2.0502,
0.0442

■ 92.4700, 115.6154,
83.9458

■ 0.0000, 0.6364,
0.0000

■ 118.7654,
146.5082, 109.9179

■ 0.0000, 0.0000,
0.0000

149.6256,

182.4654, 140.7604

185.4160,
223.8712, 176.8918

■ 16.6779, 23.6626,
12.4924

■ 16.6779, 23.6626,
12.4924

■ 14.9608, 22.8393,
9.6489

■ 18.7218, 24.6419,
15.9795

■ 13.5516, 22.1610,
7.4082

■ 21.1066, 25.7816,
20.1447

■ 12.4324, 21.6200,
5.7272


■ 23.8475, 27.0895,
25.0216


■ 11.5822, 21.2068,
4.5566


■ 26.9585, 28.5721,
30.6414


■ 10.9775, 20.9103,
3.8383


■ 30.4528, 30.2356,
37.0334

 10.6080, 20.7282,
3.4418

 34.3428, 32.0858,
44.2252

 38.6404, 34.1283,
52.2432

 43.3572, 36.3685,
61.1123

 48.5039, 38.8114,
70.8568

Harmonies

Analogous

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



19.9432, 23.6626, 8.6774



16.6779, 23.6626, 12.4924



15.0652, 23.6626, 20.9194

Triad

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



16.6779, 23.6626, 12.4924



20.7282, 23.6626, 58.2643



31.7417, 23.6626, 18.8957

Complementary

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



16.6779, 23.6626, 12.4924



18.8338, 14.0500, 28.9148

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.



32.0256, 23.6626, 31.3054



16.6779, 23.6626, 12.4924



25.2462, 23.6626, 57.1613

Square

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



16.6779, 23.6626, 12.4924



17.1865, 23.6626, 48.7868



29.5177, 23.6626, 46.1419



28.7870, 23.6626, 11.4372

Rectangle

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



16.6779, 23.6626, 12.4924



14.9808, 23.6626, 29.3064



29.5177, 23.6626, 46.1419



32.1656, 23.6626, 22.5202

Sweetspot

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



16.6785, 23.6636, 12.4929



41.4805, 47.5066, 43.0868



22.4805, 24.6754, 12.3824



9.1024, 10.5085, 9.3609



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.



16.6785, 23.6636, 12.4929



26.6987, 40.4368, 17.5215



16.7713, 23.5989, 17.5816



5.8058, 6.5077, 6.1906



9.3474, 18.2466, 3.0293



0.1299, 0.2313, 0.0378

Inverse Universe

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



18.8338, 14.0500, 28.9148



30.9991, 21.1649, 50.4249



18.8844, 14.2479, 21.1577



5.9508, 5.8656, 7.2883



11.9085, 5.6116, 24.3865



0.1644, 0.0783, 0.2994

Previews

White Background



This preview shows how the XYZ color 16.6779, 23.6626, 12.4924 looks on a white 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

Black Background



This preview shows how the XYZ color 16.6779, 23.6626, 12.4924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

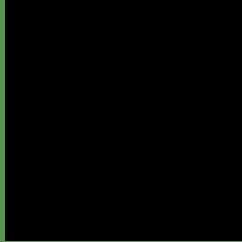
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.6779, 23.6626, 12.4924

Background



This preview shows how black text looks on a background with the XYZ color 16.6779, 23.6626, 12.4924.



This preview shows how white text looks on a background with the XYZ color 16.6779, 23.6626,

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

16.6779, 23.6626, 12.4924

Protanopia

21.5498, 23.3889, 11.1633

Deuteranopia

23.7329, 23.2879, 12.9170



Tritanopia

20.6815, 23.7314, 32.3448

Trichromacy



Original Color

16.6779, 23.6626, 12.4924

Protanomaly

19.4022, 23.3135, 11.6610

Deuteranomaly

20.4816, 23.0057, 12.8122

Tritanomaly

18.9833, 23.7031, 23.6533

Monochromacy



Original Color

16.6779, 23.6626, 12.4924

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

17.8758, 21.1390, 17.8899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6779, 23.6626, 12.4924 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(95, 146, 86)` looks like.

```
.text, #text, p{  
    color:rgb(95, 146, 86)  
}
```

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(95, 146, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 146, 86) }
```

Border

The CSS property to change the border of an element to XYZ 16.6779, 23.6626, 12.4924 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(95, 146, 86) }
```


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

```
.border{ border-color:rgb(95, 146, 86) }
```

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

Here you see how a box with a 4 pixel rgb(95, 146, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 146, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 146, 86);  
box-shadow:4px 4px 4px 4px rgb(95, 146,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6779, 23.6626, 12.4924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 146, 86) }
```

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

```
.background{ background-color: rgb(95, 146,  
86) }
```

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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