

Converting Colors

XYZ(23.2251, 34.7702, 10.1633)

Have a look what the booklet for
XYZ(23.2251, 34.7702, 10.1633)
contains.

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Color

**XYZ(23.1666, 34.5962,
10.1594)**

Conversions

Conversions Part 1

Format	Color
Hex	72AF3F
RGB	114, 175, 63
RGB Percent	45%, 69%, 25%
CMY	0.5529, 0.3137, 0.7529
CMYK	0.35, 0.00, 0.64, 0.31
HSL	93°, 47%, 47%
HSV	93°, 64%, 69%
XYZ	23.1666, 34.5962, 10.1594
YIQ	143.9930, -0.4040, -47.7640

Conversions

Conversions Part 2

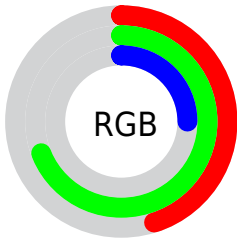
Format	Color
RYB	63, 175, 124
Decimal	7515967
CIELab	65.43, -38.68, 49.69
CIELCh	65, 62.968, 127.896
Yxy	34.5962, 0.3411, 0.5094
Android (android.graphics.Color)	4285706047 (0xFF72AF3F)
YUV	143.9930, -39.9295, -26.3039
Hunter-Lab	58.8185, -32.6274, 30.9321

Details

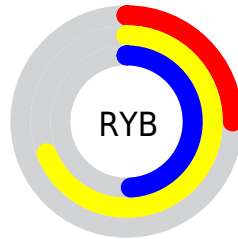
The XYZ color **23.1666, 34.5962, 10.1594** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **17.8292, 10.9364, 41.7306**, and the grayscale version is **26.6632, 28.0517, 30.5484**.

A 20% lighter version of the original color is **48.0326, 66.8246, 26.5865**, and **8.8285, 14.8819, 2.4359** is the 20% darker color. If you saturate the color by 10%, you get **21.5775, 33.8259, 7.9255**, and if you desaturate by 10%, it is **25.0421, 35.4983, 13.2195**.

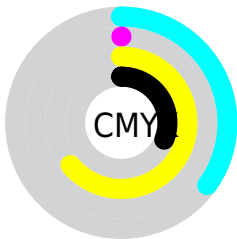
Distribution



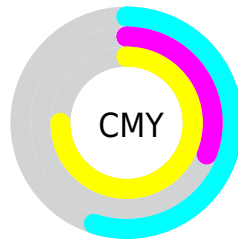
- Red (45%)
- Green (69%)
- Blue (25%)



- Red (25%)
- Yellow (69%)
- Blue (49%)



- Cyan (35%)
- Magenta (0%)
- Yellow (64%)
- Black (31%)





- Cyan (55%)
- Magenta (31%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1666, 34.5962, 10.1594 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 23.1666, 34.5962, 10.1594 by changing the saturation by 10% instead.


 23.1666, 34.5962,
10.1594


 23.1666, 34.5962,
10.1594


261.0989,
322.7824, 202.3320


 14.8379, 23.3520,
5.3978


 48.1314, 66.8597,
26.7074

 8.7913, 14.8536,
2.4197


 65.4982, 88.6479,
39.3308


 4.6613, 8.7167,
0.7971


 86.6085, 114.7194,
55.4120

 2.0827, 4.5569,
0.0000

 111.8276,
145.4588, 75.3693

 0.6798, 1.9897,
0.0000

 141.5208,
181.2504, 99.6215

 0.0000, 0.6015,
0.0000

176.0535,

 0.0000, 0.0000,

222.4786, 128.5869

0.0000

215.7911,
269.5278, 162.6842

■ 23.1666, 34.5962,
10.1594

■ 23.1666, 34.5962,
10.1594

■ 21.5775, 33.8259,
7.9255

■ 25.0421, 35.4983,
13.2195

■ 20.2530, 33.1747,
6.4347

■ 27.2185, 36.5351,
17.1738

■ 19.1713, 32.6347,
5.5904

■ 29.7122, 37.7145,
22.0860

■ 18.6123, 32.3531,
5.2638

■ 32.5376, 39.0427,
28.0133

■ 35.7079, 40.5255,
35.0083

■ 39.2356, 42.1683,
43.1201

■ 43.1327, 43.9760,
52.3946

■ 47.4103, 45.9537,
62.8753

■ 52.0791, 48.1058,
74.6033

Harmonies

Analogous

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



30.5111, 34.5962, 6.4666



23.1666, 34.5962, 10.1594



19.0608, 34.5962, 21.6355

Triad

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



23.1666, 34.5962, 10.1594



26.6629, 34.5962, 106.8402



53.7108, 34.5962, 31.1273

Complementary

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



23.1666, 34.5962, 10.1594



17.8292, 10.9364, 41.7306

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.



52.1548, 34.5962, 60.1402



23.1666, 34.5962, 10.1594



35.3741, 34.5962, 113.4741

Square

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



23.1666, 34.5962, 10.1594



20.8013, 34.5962, 78.1624



44.9941, 34.5962, 93.4884



48.9179, 34.5962, 14.3271

Rectangle

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



23.1666, 34.5962, 10.1594



18.1788, 34.5962, 35.8389



44.9941, 34.5962, 93.4884



53.9272, 34.5962, 39.5612

Sweetspot

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



23.1674, 34.5977, 10.1602



60.8442, 71.1260, 55.7756



25.6277, 23.5741, 7.9027



13.1756, 15.6458, 11.6359



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.



23.1674, 34.5977, 10.1602



37.5590, 60.0473, 12.8830



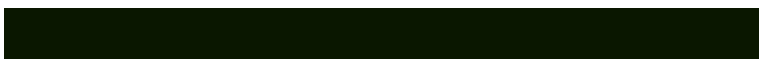
18.3861, 32.1204, 10.4997



8.2379, 9.1112, 8.5378



13.3975, 23.2037, 3.7726



0.4362, 0.6783, 0.1079

Inverse Universe

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



17.8292, 10.9364, 41.7306



27.1963, 14.2554, 73.9550



26.8342, 15.6204, 40.2640



7.9801, 7.9640, 10.0693



9.0164, 4.0080, 29.3429



0.3129, 0.1435, 0.8192

Previews

White Background



This preview shows how the XYZ color 23.1666, 34.5962, 10.1594 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.1666, 34.5962, 10.1594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

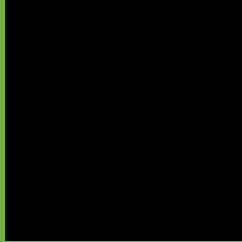
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.1666, 34.5962, 10.1594

Background



This preview shows how black text looks on a background with the XYZ color 23.1666, 34.5962, 10.1594.



This preview shows how white text looks on a background with the XYZ color 23.1666, 34.5962,

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

23.1666, 34.5962, 10.1594

Protanopia

31.1220, 34.1063, 8.9459

Deuteranopia

34.8086, 34.0034, 10.6899



Tritanopia

30.5713, 34.5505, 46.6526

Trichromacy



Original Color

23.1666, 34.5962, 10.1594

Protanomaly

27.4175, 33.7472, 9.3438

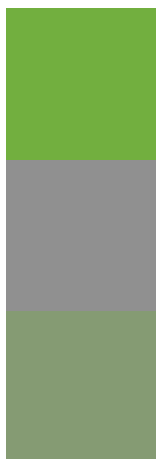
Deuteranomaly

29.1674, 33.3206, 10.3631

Tritanomaly

26.9040, 34.1428, 28.4648

Monochromacy



Original Color

23.1666, 34.5962, 10.1594

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

24.4887, 29.6670, 20.6553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1666, 34.5962, 10.1594 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(114, 175, 63)` looks like.

```
.text, #text, p{  
    color:rgb(114, 175, 63)  
}
```

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(114, 175, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 175, 63) }
```

Border

The CSS property to change the border of an element to XYZ 23.1666, 34.5962, 10.1594 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(114, 175, 63) }
```


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

```
.border{ border-color:rgb(114, 175, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 175, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 175, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 175, 63);  
box-shadow:4px 4px 4px 4px rgb(114, 175,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1666, 34.5962, 10.1594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 175, 63) }
```

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

```
.background{ background-color: rgb(114,  
175, 63) }
```

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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