

Converting Colors

XYZ(23.6268, 41.6496, 10.8291)

Have a look what the booklet for
XYZ(23.6268, 41.6496, 10.8291)
contains.

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Color

**XYZ(23.7105, 41.7745,
10.8166)**

Conversions

Conversions Part 1

Format	Color
Hex	4CC53A
RGB	76, 197, 58
RGB Percent	30%, 77%, 23%
CMY	0.7020, 0.2274, 0.7725
CMYK	0.61, 0.00, 0.71, 0.23
HSL	112°, 55%, 50%
HSV	112°, 71%, 77%
XYZ	23.7105, 41.7745, 10.8166
YIQ	144.9750, -27.4970, -68.8810

Conversions

Conversions Part 2

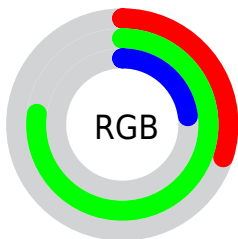
Format	Color
RYB	58, 197, 179
Decimal	5031226
CIELab	70.72, -59.02, 56.88
CIELCh	71, 81.968, 136.056
Yxy	41.7745, 0.3107, 0.5475
Android (android.graphics.Color)	4283221306 (0xFF4CC53A)
YUV	144.9750, -42.8787, -60.4911
Hunter-Lab	64.6332, -47.6259, 35.3208

Details

The XYZ color **23.7105, 41.7745, 10.8166** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **30.1840, 16.6426, 54.4470**, and the grayscale version is **27.0813, 28.4917, 31.0274**.

A 20% lighter version of the original color is **49.2219, 78.1155, 28.1063**, and **9.6730, 19.3460, 3.2243** is the 20% darker color. If you saturate the color by 10%, you get **22.1167, 41.0014, 8.6080**, and if you desaturate by 10%, it is **25.8611, 42.8150, 14.0535**.

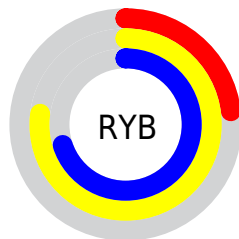
Distribution



Red (30%)

Green (77%)

Blue (23%)



Red (23%)

Yellow (77%)

Blue (70%)

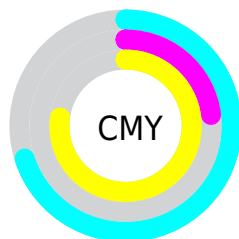


Cyan (61%)

Magenta (0%)

Yellow (71%)

Black (23%)



Cyan (70%)

Magenta (23%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7105, 41.7745, 10.8166 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 23.7105, 41.7745, 10.8166 by changing the saturation by 10% instead.


 23.7105, 41.7745,
10.8166


 23.7105, 41.7745,
10.8166


263.8213,
353.5473, 207.0970


 15.2426, 28.9248,
5.8310


 49.0155, 77.8582,
27.9520


 9.0772, 19.0239,
2.6755


 66.5833, 101.8610,
40.9389


 4.8491, 11.6876,
0.9311


 87.9150, 130.3502,
57.4299

 2.1928, 6.5313,
0.0000

 113.3762,
163.7104, 77.8437

 0.7390, 3.1708,
0.0000

 143.3320,
202.3257, 102.5988

 0.0000, 1.2215,
0.0000

178.1479,

 0.0000, 0.0792,

246.5807, 132.1137

0.0000

218.1892,
296.8598, 166.8069

■ 0.0000, 0.0000,
0.0000

■ 23.7105, 41.7745,
10.8166

■ 23.7105, 41.7745,
10.8166

■ 22.1167, 41.0014,
8.6080

■ 25.8611, 42.8150,
14.0535

■ 21.0239, 40.4658,
7.3011

■ 28.6116, 44.1391,
18.4204

■ 20.3806, 40.1473,
6.6750

■ 32.0038, 45.7677,
24.0096

■ 36.0752, 47.7182,
30.9033

■ 40.8604, 50.0069,
39.1766

■ 46.3913, 52.6487,
48.8989

■ 52.6982, 55.6579,
60.1349

■ 59.8095, 59.0477,
72.9453

■ 67.7523, 62.8310,
87.3876

Harmonies

Analogous

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



32.9098, 41.7745, 4.8178



23.7105, 41.7745, 10.8166



19.3662, 41.7745, 29.7350

Triad

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



23.7105, 41.7745, 10.8166



33.7377, 41.7745, 163.5780



70.4703, 41.7745, 27.7727

Complementary

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



23.7105, 41.7745, 10.8166



30.1840, 16.6426, 54.4470

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.



70.8364, 41.7745, 65.9987



23.7105, 41.7745, 10.8166



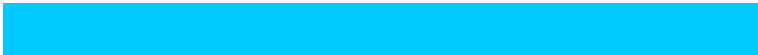
47.3774, 41.7745, 161.9077

Square

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



23.7105, 41.7745, 10.8166



24.1968, 41.7745, 123.4129



61.6400, 41.7745, 119.6569



60.7313, 41.7745, 10.0850

Rectangle

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



23.7105, 41.7745, 10.8166



18.9822, 41.7745, 53.8439



61.6400, 41.7745, 119.6569



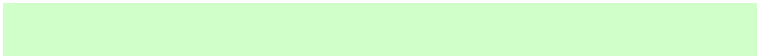
71.7581, 41.7745, 38.0399

Sweetspot

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



23.7115, 41.7763, 10.8175



72.4759, 89.2237, 68.9383



39.8050, 44.2047, 10.4381



14.9763, 18.8411, 13.8234



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.7115, 41.7763, 10.8175



38.3818, 72.8307, 13.8897



24.4711, 41.9374, 21.2648



10.6230, 11.9526, 11.3099



13.4447, 26.4263, 4.3922



0.6797, 1.2735, 0.2100

Inverse Universe

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



30.1840, 16.6426, 54.4470



50.4101, 24.9430, 96.7653



29.7315, 16.9739, 28.9187



10.9428, 10.7443, 13.4146



17.7963, 8.4086, 35.4294



0.8813, 0.4181, 1.6794

Previews

White Background



This preview shows how the XYZ color 23.7105, 41.7745, 10.8166 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 23.7105, 41.7745, 10.8166 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 23.7105, 41.7745, 10.8166

Background



This preview shows how black text looks on a background with the XYZ color 23.7105, 41.7745, 10.8166.



This preview shows how white text looks on a background with the XYZ color 23.7105, 41.7745,

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

23.7105, 41.7745, 10.8166

Protanopia

37.0883, 40.9505, 9.0814

Deuteranopia

41.6433, 40.7827, 11.4714



Tritanopia

33.5127, 41.5303, 60.2827

Trichromacy



Original Color

23.7105, 41.7745, 10.8166



Protanomaly

29.7674, 39.7981, 9.6029



Deuteranomaly

31.4176, 38.8398, 10.9952



Tritanomaly

28.3668, 41.0201, 34.4396

Monochromacy



Original Color

23.7105, 41.7745, 10.8166



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

24.0018, 31.7362, 20.4835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7105, 41.7745, 10.8166 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(76, 197, 58)` looks like.

```
.text, #text, p{  
    color:rgb(76, 197, 58)  
}
```

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(76, 197, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 197, 58) }
```

Border

The CSS property to change the border of an element to XYZ 23.7105, 41.7745, 10.8166 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(76, 197, 58) }
```


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

```
.border{ border-color:rgb(76, 197, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 197, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 197, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 197, 58);  
box-shadow:4px 4px 4px 4px rgb(76, 197,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7105, 41.7745, 10.8166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 197, 58) }
```

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

```
.background{ background-color: rgb(76, 197,  
58) }
```

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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