

Converting Colors

XYZ(21.0798, 33.1024, 6.8422)

Have a look what the booklet for
XYZ(21.0798, 33.1024, 6.8422)
contains.

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Color

**XYZ(21.0726, 33.0117,
6.8514)**

Conversions

Conversions Part 1

Format	Color
Hex	69AD23
RGB	105, 173, 35
RGB Percent	41%, 68%, 14%
CMY	0.5882, 0.3216, 0.8627
CMYK	0.39, 0.00, 0.80, 0.32
HSL	90°, 66%, 41%
HSV	90°, 80%, 68%
XYZ	21.0726, 33.0117, 6.8514
YIQ	136.9360, 3.7700, -57.3340

Conversions

Conversions Part 2

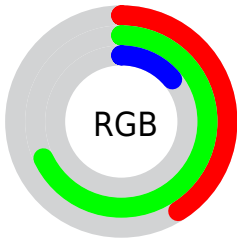
Format	Color
RYB	35, 173, 103
Decimal	6925603
CIELab	64.17, -42.94, 58.68
CIELCh	64, 72.711, 126.199
Yxy	33.0117, 0.3458, 0.5417
Android (android.graphics.Color)	4285115683 (0xFF69AD23)
YUV	136.9360, -50.2544, -28.0079
Hunter-Lab	57.4558, -35.0807, 33.1489

Details

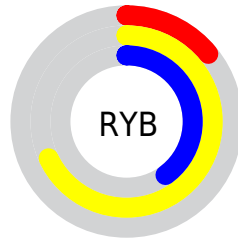
The XYZ color **21.0726, 33.0117, 6.8514** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **13.7392, 7.1039, 40.1841**, and the grayscale version is **23.9376, 25.1842, 27.4256**.

A 20% lighter version of the original color is **44.6490, 64.3884, 20.2002**, and **7.9354, 14.0613, 2.2959** is the 20% darker color. If you saturate the color by 10%, you get **19.9249, 32.4438, 5.7719**, and if you desaturate by 10%, it is **22.4488, 33.6849, 8.6038**.

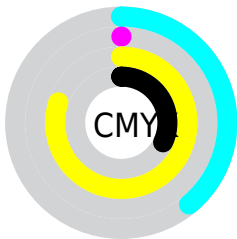
Distribution



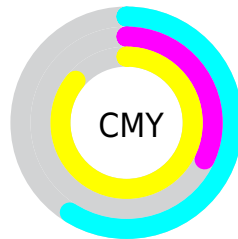
- Red (41%)
- Green (68%)
- Blue (14%)



- Red (14%)
- Yellow (68%)
- Blue (40%)



- Cyan (39%)
- Magenta (0%)
- Yellow (80%)
- Black (32%)



- Cyan (59%)
- Magenta (32%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0726, 33.0117, 6.8514 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 21.0726, 33.0117, 6.8514 by changing the saturation by 10% instead.

■ 21.0726, 33.0117,
6.8514

■ 21.0726, 33.0117,
6.8514

250.3885,
315.7025, 176.0070

■ 13.2898, 22.1354,
3.2923

■ 44.6987, 64.3938,
20.1814

■ 7.7068, 13.9564,
1.2458

■ 61.2727, 85.6684,
30.7894

■ 3.9581, 8.0904,
0.0167

■ 81.5079, 111.1779,
44.5841

■ 1.6785, 4.1528,
0.0000

■ 105.7696,
141.3066, 61.9840

■ 0.4427, 1.7594,
0.0000

■ 134.4232,
176.4391, 83.4077

■ 0.0000, 0.4617,
0.0000

■ 167.8339,

■ 0.0000, 0.0000,

216.9596, 109.2738

0.0000

206.3672,
263.2526, 140.0007

■ 21.0726, 33.0117,
6.8514

■ 21.0726, 33.0117,
6.8514

■ 19.9249, 32.4438,
5.7719

■ 22.4488, 33.6849,
8.6038

■ 18.9661, 31.9616,
5.1812

■ 24.0706, 34.4670,
11.1137

■ 18.9450, 31.9510,
5.1687

■ 25.9553, 35.3666,
14.4555

■ 28.1180, 36.3899,
18.6942

■ 30.5721, 37.5427,
23.8882

■ 33.3304, 38.8302,
30.0912

■ 36.4044, 40.2574,
37.3527

■ 39.8054, 41.8290,
45.7191

■ 43.5438, 43.5495,
55.2339

Harmonies

Analogous

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



29.2861, 33.0117, 3.9021



21.0726, 33.0117, 6.8514



16.5197, 33.0117, 17.5685

Triad

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



21.0726, 33.0117, 6.8514



24.0432, 33.0117, 116.8301



55.4731, 33.0117, 30.1602

Complementary

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



21.0726, 33.0117, 6.8514



13.7392, 7.1039, 40.1841

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.



53.2111, 33.0117, 64.0387



21.0726, 33.0117, 6.8514



33.5644, 33.0117, 126.9674

Square

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



21.0726, 33.0117, 6.8514



17.9539, 33.0117, 80.9303



44.5879, 33.0117, 103.8985



50.2271, 33.0117, 11.7734

Rectangle

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



21.0726, 33.0117, 6.8514



15.4728, 33.0117, 32.3136



44.5879, 33.0117, 103.8985



55.5789, 33.0117, 39.8368

Sweetspot

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



21.0734, 33.0131, 6.8521



57.3224, 68.4362, 48.4889



22.2603, 18.4509, 3.9788



12.0931, 14.7025, 9.7246



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.0734, 33.0131, 6.8521



34.3163, 57.4146, 9.5312



16.0217, 30.4089, 6.6157



8.2771, 9.1315, 8.5397



13.9834, 23.5058, 3.8001



0.4520, 0.6864, 0.1087

Inverse Universe

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



13.7392, 7.1039, 40.1841



20.6944, 9.2525, 71.5010



24.8745, 12.8444, 40.7052



7.9406, 7.9437, 10.0675



8.3762, 3.6780, 29.3130



0.2963, 0.1349, 0.8184

Previews

White Background



This preview shows how the XYZ color 21.0726, 33.0117, 6.8514 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 21.0726, 33.0117, 6.8514 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 21.0726, 33.0117, 6.8514

Background



This preview shows how black text looks on a background with the XYZ color 21.0726, 33.0117, 6.8514.



This preview shows how white text looks on a background with the XYZ color 21.0726, 33.0117,

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

21.0726, 33.0117, 6.8514

Protanopia

29.4112, 32.5351, 5.9581

Deuteranopia

33.2154, 32.5502, 7.3285



Tritanopia

28.6970, 32.8308, 44.8689

Trichromacy



Original Color

21.0726, 33.0117, 6.8514

Protanomaly

25.5755, 32.3345, 6.2597

Deuteranomaly

27.2248, 31.6327, 6.9563

Tritanomaly

24.3664, 32.1222, 23.6549

Monochromacy



Original Color

21.0726, 33.0117, 6.8514

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

21.6640, 27.0928, 16.1442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0726, 33.0117, 6.8514 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(105, 173, 35)` looks like.

```
.text, #text, p{  
    color:rgb(105, 173, 35)  
}
```

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(105, 173, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 173, 35) }
```

Border

The CSS property to change the border of an element to XYZ 21.0726, 33.0117, 6.8514 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(105, 173, 35) }
```


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

```
.border{ border-color:rgb(105, 173, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 173, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 173, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 173, 35);  
box-shadow:4px 4px 4px 4px rgb(105, 173,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0726, 33.0117, 6.8514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 173, 35) }
```

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

```
.background{ background-color: rgb(105,  
173, 35) }
```

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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