

Converting Colors

XYZ(23.9562, 35.9721, 6.2452)

Have a look what the booklet for
XYZ(23.9562, 35.9721, 6.2452)
contains.

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Color

**XYZ(23.9147, 35.9494,
6.2508)**

Conversions

Conversions Part 1

Format	Color
Hex	79B212
RGB	121, 178, 18
RGB Percent	47%, 70%, 7%
CMY	0.5255, 0.3019, 0.9294
CMYK	0.32, 0.00, 0.90, 0.30
HSL	81°, 82%, 38%
HSV	81°, 90%, 70%
XYZ	23.9147, 35.9494, 6.2508
YIQ	142.7170, 17.3880, -61.8440

Conversions

Conversions Part 2

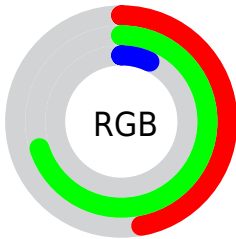
Format	Color
RYB	18, 178, 75
Decimal	7975442
CIELab	66.48, -39.87, 65.06
CIELCh	66, 76.300, 121.501
Yxy	35.9494, 0.3617, 0.5437
Android (android.graphics.Color)	4286165522 (0xFF79B212)
YUV	142.7170, -61.4855, -19.0458
Hunter-Lab	59.9578, -33.7299, 35.7893

Details

The XYZ color **23.9147, 35.9494, 6.2508** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **11.1558, 5.1441, 42.5265**, and the grayscale version is **26.2294, 27.5953, 30.0513**.

A 20% lighter version of the original color is **49.3442, 68.9351, 18.8887**, and **9.5136, 15.7910, 2.5466** is the 20% darker color. If you saturate the color by 10%, you get **22.9476, 35.4645, 5.6420**, and if you desaturate by 10%, it is **25.0401, 36.5069, 7.3809**.

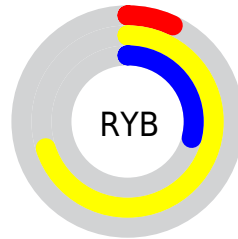
Distribution



Red (47%)

Green (70%)

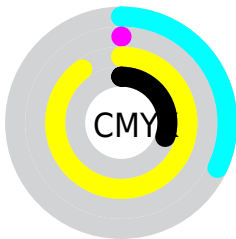
Blue (7%)



Red (7%)

Yellow (70%)

Blue (29%)

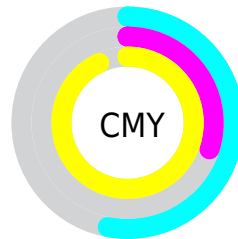


Cyan (32%)

Magenta (0%)

Yellow (90%)

Black (30%)



Cyan (53%)


Magenta (30%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9147, 35.9494, 6.2508 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 23.9147, 35.9494, 6.2508 by changing the saturation by 10% instead.


 23.9147, 35.9494,
6.2508


 23.9147, 35.9494,
6.2508


264.8374,
328.7393, 170.6721


 15.3948, 24.3951,
2.9269


 49.3467, 68.9540,
18.9359


 9.1850, 15.6270,
1.0574


 66.9894, 91.1730,
29.1341


 4.9201, 9.2606,
0.0000


 88.4037, 117.7158,
42.4609

 2.2348, 4.9115,
0.0000

 113.9551,
148.9667, 59.3348

 0.7610, 2.1955,
0.0000

 144.0088,
185.3101, 80.1744

 0.0000, 0.7175,
0.0000

 178.9301,

 0.0000, 0.0000,

227.1304, 105.3981

0.0000

219.0846,
274.8120, 135.4245

■ 23.9147, 35.9494,
6.2508

■ 23.9147, 35.9494,
6.2508

■ 22.9476, 35.4645,
5.6420

■ 25.0401, 36.5069,
7.3809

■ 22.9365, 35.4589,
5.6354

■ 26.3592, 37.1475,
9.2236

■ 27.8915, 37.8804,
11.8728

■ 29.6530, 38.7121,
15.4078

■ 31.6581, 39.6484,
19.8984

■ 33.9196, 40.6947,
25.4073

■ 36.4494, 41.8557,
31.9921

■ 39.2585, 43.1360,
39.7058

■ 42.3572, 44.5398,
48.5981

Harmonies

Analogous

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



33.5957, 35.9494, 3.9014



23.9147, 35.9494, 6.2508



18.2525, 35.9494, 16.1201

Triad

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



23.9147, 35.9494, 6.2508



24.7103, 35.9494, 124.7242



61.2161, 35.9494, 37.5153

Complementary

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



23.9147, 35.9494, 6.2508



11.1558, 5.1441, 42.5265

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.



57.3781, 35.9494, 77.5574



23.9147, 35.9494, 6.2508



34.7484, 35.9494, 141.9457

Square

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



23.9147, 35.9494, 6.2508



18.6345, 35.9494, 82.1553



47.0010, 35.9494, 121.1842



56.5677, 35.9494, 14.5888

Rectangle

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



23.9147, 35.9494, 6.2508



16.7026, 35.9494, 30.5502



47.0010, 35.9494, 121.1842



60.8715, 35.9494, 49.2120

Sweetspot

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



23.9155, 35.9510, 6.2516



62.5700, 74.2824, 48.7717



20.9197, 14.4080, 2.2513



13.5359, 16.3069, 9.9779



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.9155, 35.9510, 6.2516



41.3329, 64.1659, 10.2068



16.9858, 32.3786, 5.9273



8.8974, 9.7522, 9.0659



16.4809, 25.4063, 4.0353



0.5792, 0.8307, 0.1298

Inverse Universe

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



11.1558, 5.1441, 42.5265



18.1116, 7.6535, 76.9039



21.5802, 10.5181, 43.0144



8.3182, 8.3726, 10.6840



7.2988, 3.0985, 30.3504



0.2946, 0.1310, 0.9580

Previews

White Background



This preview shows how the XYZ color 23.9147, 35.9494, 6.2508 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 23.9147, 35.9494, 6.2508 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 23.9147, 35.9494, 6.2508

Background



This preview shows how black text looks on a background with the XYZ color 23.9147, 35.9494, 6.2508.



This preview shows how white text looks on a background with the XYZ color 23.9147, 35.9494,

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

23.9147, 35.9494, 6.2508

Protanopia

32.0911, 35.4567, 5.4396

Deuteranopia

36.3697, 35.6189, 6.7920



Tritanopia

32.4204, 36.0161, 47.8909

Trichromacy



Original Color

23.9147, 35.9494, 6.2508

Protanomaly

28.3886, 35.1401, 5.6672

Deuteranomaly

30.4012, 34.8238, 6.4157

Tritanomaly

27.2806, 35.0111, 23.0893

Monochromacy



Original Color

23.9147, 35.9494, 6.2508

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.0847, 29.8097, 16.0397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9147, 35.9494, 6.2508 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(121, 178, 18)` looks like.

```
.text, #text, p{  
    color:rgb(121, 178, 18)  
}
```

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(121, 178, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 178, 18) }
```

Border

The CSS property to change the border of an element to XYZ 23.9147, 35.9494, 6.2508 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(121, 178, 18) }
```


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

```
.border{ border-color:rgb(121, 178, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 178, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 178, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 178, 18);  
box-shadow:4px 4px 4px 4px rgb(121, 178,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9147, 35.9494, 6.2508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 178, 18) }
```

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

```
.background{ background-color: rgb(121,  
178, 18) }
```

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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