

Converting Colors

XYZ(11.8562, 22.9684, 6.2453)

Have a look what the booklet for
XYZ(11.8562, 22.9684, 6.2453)
contains.

XYZ(11.8649, 22.9719, 6.2913)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.8649, 22.9719,
6.2913)**

Conversions

Conversions Part 1

Format	Color
Hex	00992D
RGB	0, 153, 45
RGB Percent	0%, 60%, 18%
CMY	1.0000, 0.4000, 0.8235
CMYK	1.00, 0.00, 0.71, 0.40
HSL	138°, 100%, 30%
HSV	138°, 100%, 60%
XYZ	11.8649, 22.9719, 6.2913
YIQ	94.9410, -56.5200, -66.0240

Conversions

Conversions Part 2

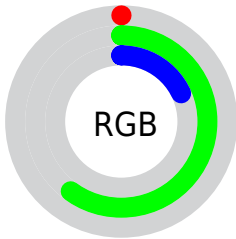
Format	Color
RYB	0, 118, 153
Decimal	39213
CIELab	55.04, -56.33, 45.17
CIELCh	55, 72.206, 141.277
Yxy	22.9719, 0.2885, 0.5585
Android (android.graphics.Color)	4278229293 (0xFF00992D)
YUV	94.9410, -24.6209, -83.2633
Hunter-Lab	47.9290, -39.6878, 25.7677

Details

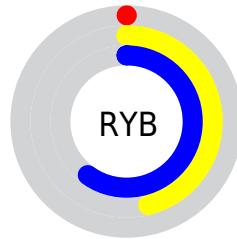
The XYZ color **11.8649, 22.9719, 6.2913** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **15.8444, 7.8555, 14.8696**, and the grayscale version is **10.9307, 11.4999, 12.5234**.

A 20% lighter version of the original color is **28.9826, 48.5387, 19.1506**, and **4.5572, 9.1143, 1.5191** is the 20% darker color. If you saturate the color by 10%, you get **11.8653, 22.9728, 6.2915**, and if you desaturate by 10%, it is **12.3027, 23.1711, 7.5403**.

Distribution



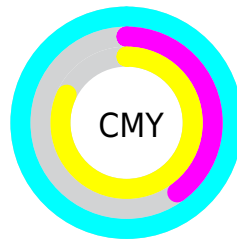
- Red (0%)
- Green (60%)
- Blue (18%)



- Red (0%)
- Yellow (46%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (71%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.8649, 22.9719, 6.2913 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 11.8649, 22.9719, 6.2913 by changing the saturation by 10% instead.


 11.8649, 22.9719,
6.2913


 11.8649, 22.9719,
6.2913


197.2971,
267.5806, 171.0388


 6.7233, 14.5728,
2.9514

 28.8678, 48.3472,
19.0206


 3.3344, 8.5201,
1.0699


 41.4598, 66.0921,
29.2470


 1.3330, 4.4295,
0.0000

 57.2660, 87.7211,
42.6061

 0.2077, 1.9166,
0.0000

 76.6517, 113.6185,
59.5162

 0.0000, 0.5583,
0.0000

 99.9823, 144.1688,
80.3960

 0.0000, 0.0000,
0.0000

 127.6232,

179.7563, 105.6640

159.9397,
220.7655, 135.7388

■ 11.8649, 22.9719,
6.2913

■ 11.8649, 22.9719,
6.2913

■ 11.8653, 22.9728,
6.2915

■ 12.3027, 23.1711,
7.5403

■ 12.9462, 23.4691,
9.0958

■ 13.8680, 23.9035,
10.9792

■ 15.0988, 24.4899,
13.2083

■ 16.6649, 25.2416,
15.7994

■ 18.5899, 26.1702,
18.7678

■ 20.8949, 27.2866,
22.1281

■ 23.5997, 28.6004,
25.8937

■ 26.7225, 30.1208,
30.0778

Harmonies

Analogous

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



16.6953, 22.9719, 2.2898



11.8649, 22.9719, 6.2913



9.8493, 22.9719, 18.8859

Triad

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



11.8649, 22.9719, 6.2913



19.5745, 22.9719, 99.1586



39.6205, 22.9719, 12.1498

Complementary

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



11.8649, 22.9719, 6.2913



15.8444, 7.8555, 14.8696

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.



40.9353, 22.9719, 32.3386



11.8649, 22.9719, 6.2913



27.9321, 22.9719, 93.0191

Square

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



11.8649, 22.9719, 6.2913



13.5273, 22.9719, 77.8277



36.2368, 22.9719, 64.1415



32.9912, 22.9719, 3.9406

Rectangle

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



11.8649, 22.9719, 6.2913



9.9197, 22.9719, 34.6980



36.2368, 22.9719, 64.1415



40.7538, 22.9719, 17.3213

Sweetspot

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



11.8654, 22.9728, 6.2918



37.1533, 48.7364, 39.2487



17.7790, 26.0761, 4.0963



7.8382, 10.5842, 8.1399



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



11.8654, 22.9728, 6.2918



21.1769, 41.1114, 10.8891



14.7730, 24.1359, 21.6027



6.2032, 6.9540, 6.9934



9.8193, 18.9912, 5.2689



0.1613, 0.2897, 0.1551

Inverse Universe

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



15.8444, 7.8555, 14.8696



28.2899, 14.0337, 26.1839



13.4141, 6.8833, 2.0718



6.3838, 6.2927, 7.4010



13.1096, 6.4981, 12.3678



0.2116, 0.1034, 0.2672

Previews

White Background



This preview shows how the XYZ color 11.8649, 22.9719, 6.2913 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 11.8649, 22.9719, 6.2913 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 11.8649, 22.9719, 6.2913

Background



This preview shows how black text looks on a background with the XYZ color 11.8649, 22.9719, 6.2913.



This preview shows how white text looks on a background with the XYZ color 11.8649, 22.9719,

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

11.8649, 22.9719, 6.2913

Protanopia

20.5151, 22.5821, 5.1970

Deuteranopia

23.1275, 22.7296, 6.7827



Tritanopia

17.7051, 23.0348, 34.0848

Trichromacy



Original Color

11.8649, 22.9719, 6.2913



Protanomaly

14.2490, 21.0050, 5.4012



Deuteranomaly

14.9704, 20.5100, 6.3018



Tritanomaly

14.3461, 22.5335, 19.5129

Monochromacy



Original Color

11.8649, 22.9719, 6.2913



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

9.4484, 13.9873, 9.2230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8649, 22.9719, 6.2913 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(0, 153, 45)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 45)  
}
```

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(0, 153, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 45) }
```

Border

The CSS property to change the border of an element to XYZ 11.8649, 22.9719, 6.2913 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(0, 153, 45) }
```


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

```
.border{ border-color:rgb(0, 153, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 45);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 45)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.8649, 22.9719, 6.2913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 45) }
```

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

```
.background{ background-color: rgb(0, 153,  
45) }
```

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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