

Converting Colors

XYZ(11.9537, 5.6076, 10.1212)

Have a look what the booklet for
XYZ(11.9537, 5.6076, 10.1212)
contains.

XYZ(12.1620, 6.0566, 10.2009)	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(12.1620, 6.0566,
10.2009)**

Conversions

Conversions Part 1

Format	Color
Hex	89005A
RGB	137, 0, 90
RGB Percent	54%, 0%, 35%
CMY	0.4627, 0.9999, 0.6471
CMYK	0.00, 1.00, 0.34, 0.46
HSL	321°, 100%, 27%
HSV	321°, 100%, 54%
XYZ	12.1620, 6.0566, 10.2009
YIQ	51.2230, 52.7620, 57.0340

Conversions

Conversions Part 2

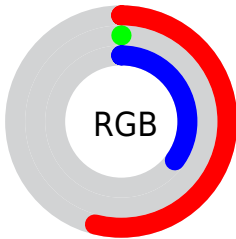
Format	Color
R_YB	137, 0, 90
Decimal	8978522
CIE Lab	29.55, 55.60, -12.29
CIE LCh	30, 56.942, 347.533
Yxy	6.0566, 0.4279, 0.2131
Android (android.graphics.Color)	4287168602 (0xFF89005A)
YUV	51.2230, 19.1171, 75.2264
Hunter-Lab	24.6102, 45.1444, -7.3486

Details

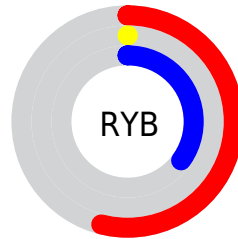
The XYZ color **12.1620, 6.0566, 10.2009** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.4593, 18.0968, 5.6857**, and the grayscale version is **3.1478, 3.3118, 3.6065**.

A 20% lighter version of the original color is **29.2991, 17.9975, 26.7406**, and **3.9343, 1.9757, 2.5569** is the 20% darker color. If you saturate the color by 10%, you get **12.1617, 6.0564, 10.1996**, and if you desaturate by 10%, it is **12.5218, 6.4457, 11.3395**.

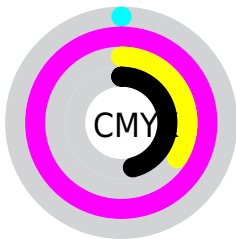
Distribution



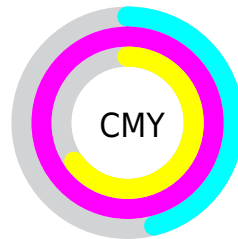
- Red (54%)
- Green (0%)
- Blue (35%)



- Red (54%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (34%)
- Black (46%)





- Cyan (46%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1620, 6.0566, 10.2009 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 12.1620, 6.0566, 10.2009 by changing the saturation by 10% instead.


 12.1620, 6.0566,
10.2009


 12.1620, 6.0566,
10.2009


199.2229,
159.5772, 202.6366


 6.9271, 2.8795,
5.4250


 29.4041, 18.0484,
26.7864


 3.4625, 1.0692,
2.4357

 42.1420, 27.6320,
39.4331


 1.4028, 0.0000,
0.8058

 58.1117, 40.1199,
55.5405

 0.2582, 0.0000,
0.0000

 77.6784, 55.8964,
75.5271

 0.0000, 0.0000,
0.0000

 101.2075, 75.3460,
99.8115

 129.0644, 98.8531,

128.8122

161.6144,
126.8020, 162.9477

12.1620, 6.0566,
10.2009

12.1620, 6.0566,
10.2009

12.1617, 6.0564,
10.1996

12.5218, 6.4457,
11.3395

12.9895, 7.0301,
12.5776

13.6174, 7.9140,
13.9337

14.4238, 9.1334,
15.4150

15.4242, 10.7192,
17.0278

■ 16.6324, 12.6987,
18.7776

■ 18.0611, 15.0968,
20.6696

■ 19.7216, 17.9361,
22.7086

■ 21.6248, 21.2376,
24.8991

Harmonies

Analogous

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



10.2976, 6.0566, 21.7921



12.1620, 6.0566, 10.2009



11.9744, 6.0566, 3.1488

Triad

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



12.1620, 6.0566, 10.2009



4.3759, 6.0566, 0.0000



2.9941, 6.0566, 23.8418

Complementary

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



12.1620, 6.0566, 10.2009



9.4593, 18.0968, 5.6857

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.



2.1799, 6.0566, 11.9278



12.1620, 6.0566, 10.2009



2.7962, 6.0566, 0.8747

Square

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



12.1620, 6.0566, 10.2009



6.9069, 6.0566, 0.0000



2.1205, 6.0566, 3.9576



4.7417, 6.0566, 32.8524

Rectangle

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



12.1620, 6.0566, 10.2009



10.7114, 6.0566, 1.1478



2.1205, 6.0566, 3.9576



2.6284, 6.0566, 19.7600

Sweetspot

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



12.1622, 6.0569, 10.2010



32.1586, 26.7213, 36.7786



5.6278, 2.3799, 23.8296



6.9962, 5.6277, 7.9678



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.1622, 6.0569, 10.2010



21.7010, 10.8146, 17.8520



10.4699, 5.3800, 1.2893



5.1622, 5.1003, 5.9423



11.3344, 5.6439, 9.5311



0.0822, 0.0403, 0.0996

Inverse Universe

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



12.1622, 6.0569, 10.2010



21.7010, 10.8146, 17.8520



11.9928, 19.1102, 19.0268



5.1622, 5.1003, 5.9423



11.3344, 5.6439, 9.5311



0.0822, 0.0403, 0.0996

Previews

White Background



This preview shows how the XYZ color 12.1620, 6.0566, 10.2009 looks on a white background.

Color Contrast Check

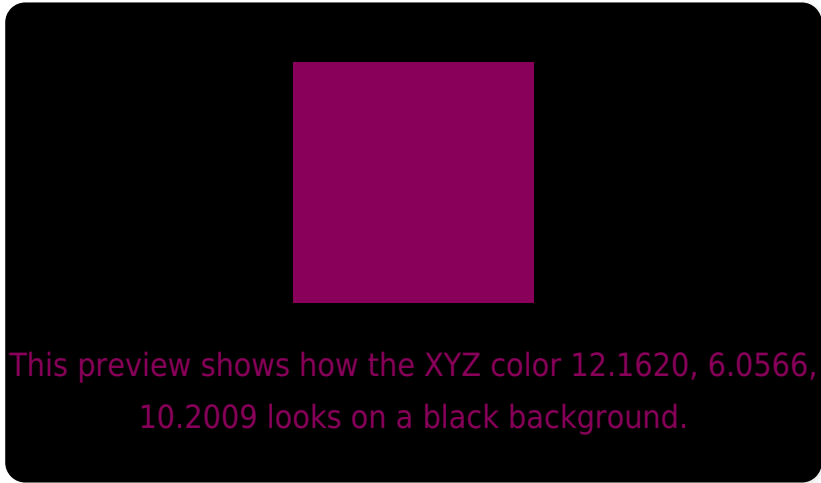
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black 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

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

XYZ 12.1620, 6.0566, 10.2009

Background



This preview shows how black text looks on a background with the XYZ color 12.1620, 6.0566, 10.2009.



This preview shows how white text looks on a background with the XYZ color 12.1620, 6.0566,

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

12.1620, 6.0566, 10.2009

Protanopia

7.3880, 6.6958, 21.6719

Deuteranopia

6.7551, 6.6424, 9.3136



Tritanopia

10.7963, 6.4637, 2.4288

Trichromacy



Original Color

12.1620, 6.0566, 10.2009

Protanomaly

7.3412, 4.8201, 16.7631

Deuteranomaly

7.6551, 5.1453, 9.3938

Tritanomaly

11.0119, 6.0492, 4.3286

Monochromacy



Original Color

12.1620, 6.0566, 10.2009

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

4.9503, 3.2085, 5.3594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1620, 6.0566, 10.2009 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(137, 0, 90)` looks like.

```
.text, #text, p{  
    color:rgb(137, 0, 90)  
}
```

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(137, 0, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 0, 90) }
```

Border

The CSS property to change the border of an element to XYZ 12.1620, 6.0566, 10.2009 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(137, 0, 90) }
```


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

```
.border{ border-color:rgb(137, 0, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 0, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(137, 0, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.1620, 6.0566, 10.2009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 0, 90) }
```

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

```
.background{ background-color: rgb(137, 0,  
90) }
```

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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