

Converting Colors

XYZ(20.6751, 14.1965, 39.2049)

Have a look what the booklet for
XYZ(20.6751, 14.1965, 39.2049)
contains.

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Color

**XYZ(20.7513, 14.2384,
39.1907)**

Conversions

Conversions Part 1

Format	Color
Hex	8B51A9
RGB	139, 81, 169
RGB Percent	55%, 32%, 66%
CMY	0.4549, 0.6823, 0.3373
CMYK	0.18, 0.52, 0.00, 0.34
HSL	280°, 35%, 49%
HSV	280°, 52%, 66%
XYZ	20.7513, 14.2384, 39.1907
YIQ	108.3740, 6.3200, 39.6640

Conversions

Conversions Part 2

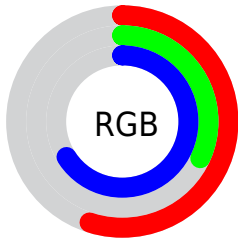
Format	Color
R_{YB}	139, 81, 169
Decimal	9130409
CIE _{Lab}	44.57, 39.98, -37.83
CIE _{LCh}	45, 55.044, 316.584
Yxy	14.2384, 0.2797, 0.1919
Android (android.graphics.Color)	4287320489 (0xFF8B51A9)
YUV	108.3740, 29.8886, 26.8590
Hunter-Lab	37.7338, 32.1300, -35.1655

Details

The XYZ color **20.7513, 14.2384, 39.1907** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **22.2291, 32.3499, 12.8577**, and the grayscale version is **14.2767, 15.0202, 16.3570**.

A 20% lighter version of the original color is **44.0900, 33.4081, 75.3588**, and **7.5066, 4.2724, 16.9520** is the 20% darker color. If you saturate the color by 10%, you get **18.7115, 11.5491, 38.7794**, and if you desaturate by 10%, it is **23.1554, 17.5800, 39.7092**.

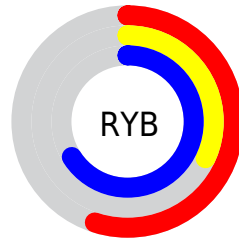
Distribution



Red (55%)

Green (32%)

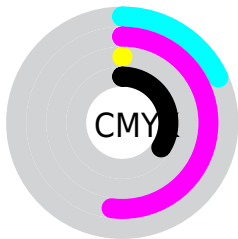
Blue (66%)



Red (55%)

Yellow (32%)

Blue (66%)

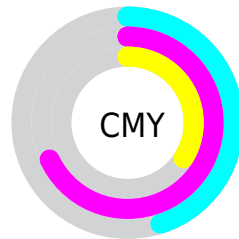


Cyan (18%)

Magenta (52%)

Yellow (0%)

Black (34%)



Cyan (45%)

Magenta (68%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7513, 14.2384, 39.1907 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 20.7513, 14.2384, 39.1907 by changing the saturation by 10% instead.

■ 20.7513, 14.2384,
39.1907

■ 20.7513, 14.2384,
39.1907

248.7106,
218.7089, 358.1507

■ 13.0538, 8.2867,
26.5991

■ 44.1677, 33.5114,
75.1531

■ 7.5428, 4.2789,
17.0426

■ 60.6172, 47.6015,
99.3610

■ 3.8532, 1.8308,
10.1026

■ 80.7148, 65.1732,
128.2782

■ 1.6194, 0.5062,
5.3605

■ 104.8257, 86.6108,
162.3230

■ 0.4050, 0.0000,
2.3979

■ 133.3154,
112.2988, 201.9142

■ 0.0000, 0.0000,
0.7853

166.5493,

■ 0.0000, 0.0000,

142.6216, 247.4701

0.0000

204.8925,
177.9635, 299.4095

■ 20.7513, 14.2384,
39.1907

■ 20.7513, 14.2384,
39.1907

■ 18.7115, 11.5491,
38.7794

■ 23.1554, 17.5800,
39.7092

■ 17.0100, 9.4628,
38.4663

■ 25.9441, 21.6150,
40.3411

■ 15.6195, 7.9255,
38.2429

■ 29.1382, 26.3831,
41.0931

■ 14.5072, 6.8728,
38.0983

■ 32.7561, 31.9204,
41.9712

■ 13.7658, 6.2693,
38.0209

■ 36.8152, 38.2605,
42.9810

■ 41.3319, 45.4352,
44.1278

■ 46.3217, 53.4743,
45.4165

■ 51.7993, 62.4063,
46.8519

■ 57.7787, 72.2583,
48.4384

Harmonies

Analogous

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



16.1262, 14.2384, 52.8624



20.7513, 14.2384, 39.1907



23.6830, 14.2384, 21.9145

Triad

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



20.7513, 14.2384, 39.1907



15.6178, 14.2384, 1.7942



6.8758, 14.2384, 23.6053

Complementary

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



20.7513, 14.2384, 39.1907



22.2291, 32.3499, 12.8577

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.



6.7981, 14.2384, 10.4829



20.7513, 14.2384, 39.1907



11.2342, 14.2384, 1.8788

Square

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



20.7513, 14.2384, 39.1907



20.3094, 14.2384, 3.6441



8.2193, 14.2384, 4.0215



8.4617, 14.2384, 40.9964

Rectangle

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



20.7513, 14.2384, 39.1907



23.9412, 14.2384, 12.8588



8.2193, 14.2384, 4.0215



6.6868, 14.2384, 18.4873

Sweetspot

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



20.7518, 14.2390, 39.1910



55.8370, 52.8136, 74.4762



16.3274, 16.1588, 39.7948



11.8944, 11.0893, 16.1657



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.7518, 14.2390, 39.1910



33.1668, 20.2464, 69.3850



25.2888, 16.7139, 33.2574



7.5898, 7.5367, 9.4730



10.3184, 4.7028, 28.3394



0.3025, 0.1409, 0.6919

Inverse Universe

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



22.1743, 15.4681, 16.8564



36.4308, 22.9477, 23.5179



19.6111, 30.9374, 15.5753



7.6327, 7.5829, 8.3831



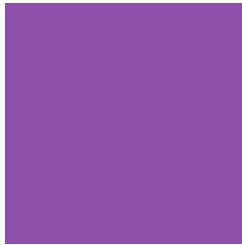
12.7795, 6.5205, 3.6504



0.3348, 0.1682, 0.2145

Previews

White Background



This preview shows how the XYZ color 20.7513, 14.2384, 39.1907 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 × Fail

Black Background



This preview shows how the XYZ color 20.7513, 14.2384, 39.1907 looks on a black 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

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

XYZ 20.7513, 14.2384, 39.1907

Background



This preview shows how black text looks on a background with the XYZ color 20.7513, 14.2384, 39.1907.



This preview shows how white text looks on a background with the XYZ color 20.7513, 14.2384,

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

20.7513, 14.2384, 39.1907

Protanopia

16.2589, 14.5082, 50.6586

Deuteranopia

14.7565, 14.4843, 37.1399



Tritanopia

15.8778, 14.2364, 15.2757

Trichromacy



Original Color

20.7513, 14.2384, 39.1907

Protanomaly

16.8501, 13.7860, 46.0288

Deuteranomaly

16.1946, 13.8992, 37.9057

Tritanomaly

17.3102, 14.0272, 22.2173

Monochromacy



Original Color

20.7513, 14.2384, 39.1907

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.0047, 14.2690, 23.0297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7513, 14.2384, 39.1907 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(139, 81, 169)` looks like.

```
.text, #text, p{  
    color:rgb(139, 81, 169)  
}
```

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(139, 81, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 81, 169) }
```

Border

The CSS property to change the border of an element to XYZ 20.7513, 14.2384, 39.1907 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(139, 81, 169) }
```


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

```
.border{ border-color:rgb(139, 81, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 81, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 81, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 81, 169);  
box-shadow:4px 4px 4px 4px rgb(139, 81,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7513, 14.2384, 39.1907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 81, 169) }
```

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

```
.background{ background-color: rgb(139, 81,  
169) }
```

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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