

Converting Colors

XYZ(20.3155, 12.2503, 37.4191)

Have a look what the booklet for
XYZ(20.3155, 12.2503, 37.4191)
contains.

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Color

**XYZ(20.2826, 12.2182,
37.3657)**

Conversions

Conversions Part 1

Format	Color
Hex	913EA6
RGB	145, 62, 166
RGB Percent	57%, 24%, 65%
CMY	0.4314, 0.7568, 0.3490
CMYK	0.13, 0.63, 0.00, 0.35
HSL	288°, 46%, 45%
HSV	288°, 63%, 65%
XYZ	20.2826, 12.2182, 37.3657
YIQ	98.6730, 16.0840, 49.9400

Conversions

Conversions Part 2

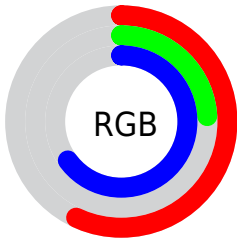
Format	Color
R _Y B	145, 62, 166
Decimal	9518758
CIE Lab	41.56, 50.68, -40.78
CIE LCh	42, 65.052, 321.179
Yxy	12.2182, 0.2903, 0.1749
Android (android.graphics.Color)	4287708838 (0xFF913EA6)
YUV	98.6730, 33.1922, 40.6288
Hunter-Lab	34.9545, 42.4053, -38.9116

Details

The XYZ color **20.2826, 12.2182, 37.3657** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **18.0734, 29.4595, 9.2917**, and the grayscale version is **11.6947, 12.3037, 13.3988**.

A 20% lighter version of the original color is **43.4029, 29.9529, 72.6011**, and **7.2950, 3.4164, 15.8977** is the 20% darker color. If you saturate the color by 10%, you get **18.9321, 10.3807, 37.0824**, and if you desaturate by 10%, it is **21.9272, 14.6171, 37.7422**.

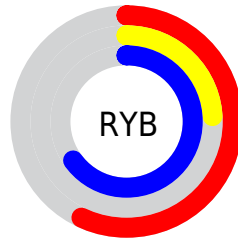
Distribution



Red (57%)

Green (24%)

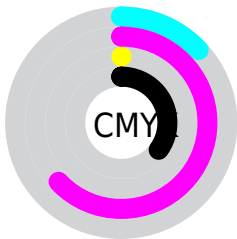
Blue (65%)



Red (57%)

Yellow (24%)

Blue (65%)

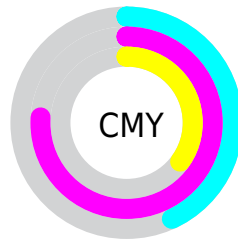


Cyan (13%)

Magenta (63%)

Yellow (0%)

Black (35%)



Cyan (43%)

Magenta (76%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2826, 12.2182, 37.3657 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 20.2826, 12.2182, 37.3657 by changing the saturation by 10% instead.

■ 20.2826, 12.2182,
37.3657

■ 20.2826, 12.2182,
37.3657

246.2454,
205.8445, 350.1074

■ 12.7101, 6.8925,
25.1928

■ 43.3908, 29.8919,
72.3275

■ 7.3048, 3.3949,
16.0004

■ 59.6572, 43.0086,
95.9534

■ 3.7015, 1.3412,
9.3701

■ 79.5523, 59.4912,
124.2341

■ 1.5347, 0.1728,
4.8833

■ 103.4415, 79.7239,
157.5880

■ 0.3492, 0.0000,
2.1214

■ 131.6900,
104.0912, 196.4337

■ 0.0000, 0.0000,
0.6285

164.6632,

■ 0.0000, 0.0000,

132.9775, 241.1899

0.0000

202.7266,
166.7671, 292.2749

■ 20.2826, 12.2182,
37.3657

■ 20.2826, 12.2182,
37.3657

■ 18.9321, 10.3807,
37.0824

■ 21.9272, 14.6171,
37.7422

■ 17.8481, 9.0510,
36.8829

■ 23.8873, 17.6214,
38.2188

■ 16.9999, 8.1675,
36.7570

■ 26.1840, 21.2725,
38.8025

■ 16.4742, 7.6976,
36.6941

■ 28.8361, 25.6078,
39.4995

■ 31.8607, 30.6616,
40.3156

■ 35.2741, 36.4660,
41.2560

■ 39.0915, 43.0512,
42.3259

■ 43.3272, 50.4456,
43.5299

■ 47.9948, 58.6762,
44.8726

Harmonies

Analogous

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



15.2356, 12.2182, 55.6448



20.2826, 12.2182, 37.3657



23.1802, 12.2182, 17.7322

Triad

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



20.2826, 12.2182, 37.3657



13.0709, 12.2182, 0.5155



5.0081, 12.2182, 25.1697

Complementary

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



20.2826, 12.2182, 37.3657



18.0734, 29.4595, 9.2917

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.



4.7232, 12.2182, 9.6814



20.2826, 12.2182, 37.3657



8.6157, 12.2182, 0.7689

Square

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



20.2826, 12.2182, 37.3657



18.3322, 12.2182, 1.5585



5.8510, 12.2182, 2.7195



6.7763, 12.2182, 45.8662

Rectangle

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



20.2826, 12.2182, 37.3657



23.0769, 12.2182, 8.8490



5.8510, 12.2182, 2.7195



4.7591, 12.2182, 19.0471

Sweetspot

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



20.2831, 12.2187, 37.3660



54.0673, 49.3510, 72.1513



12.0819, 10.2017, 37.4089



11.7732, 10.5024, 16.0588



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.



20.2831, 12.2187, 37.3660



33.5691, 17.8337, 67.1482



21.9308, 13.3455, 24.9123



7.6914, 7.5890, 9.4778



12.8135, 5.9890, 28.4561



0.3484, 0.1646, 0.6941

Inverse Universe

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



19.0102, 12.1773, 9.5327



31.5897, 18.0576, 10.8399



17.5318, 29.0603, 14.6892



7.5908, 7.5662, 8.1622



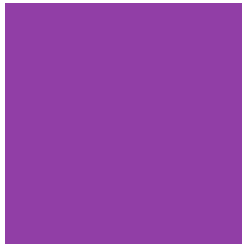
12.4273, 6.3796, 1.7956



0.3193, 0.1620, 0.1327

Previews

White Background



This preview shows how the XYZ color 20.2826, 12.2182, 37.3657 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 20.2826, 12.2182, 37.3657 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 20.2826, 12.2182, 37.3657

Background



This preview shows how black text looks on a background with the XYZ color 20.2826, 12.2182, 37.3657.



This preview shows how white text looks on a background with the XYZ color 20.2826, 12.2182,

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

20.2826, 12.2182, 37.3657

Protanopia

14.8019, 12.5146, 55.6682

Deuteranopia

12.7065, 12.4510, 34.5345



Tritanopia

15.0075, 12.2297, 11.2425

Trichromacy



Original Color

20.2826, 12.2182, 37.3657

Protanomaly

14.5171, 11.0396, 48.3794

Deuteranomaly

14.2630, 11.5395, 35.6580

Tritanomaly

16.5019, 11.9659, 18.5794

Monochromacy



Original Color

20.2826, 12.2182, 37.3657

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

14.1054, 11.7986, 20.2728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2826, 12.2182, 37.3657 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(145, 62, 166)` looks like.

```
.text, #text, p{  
    color:rgb(145, 62, 166)  
}
```

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(145, 62, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 62, 166) }
```

Border

The CSS property to change the border of an element to XYZ 20.2826, 12.2182, 37.3657 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(145, 62, 166) }
```


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

```
.border{ border-color:rgb(145, 62, 166) }
```

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

Here you see how a box with a 4 pixel rgb(145, 62, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 62, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 62, 166);  
box-shadow:4px 4px 4px 4px rgb(145, 62,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2826, 12.2182, 37.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 62, 166) }
```

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

```
.background{ background-color: rgb(145, 62,  
166) }
```

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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