

Converting Colors

XYZ(20.8802, 27.1715, 39.9293)

Have a look what the booklet for
XYZ(20.8802, 27.1715, 39.9293)
contains.

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Color

**XYZ(20.8014, 27.0930,
39.7304)**

Conversions

Conversions Part 1

Format	Color
Hex	459AA5
RGB	69, 154, 165
RGB Percent	27%, 60%, 65%
CMY	0.7294, 0.3961, 0.3529
CMYK	0.58, 0.07, 0.00, 0.35
HSL	187°, 41%, 46%
HSV	187°, 58%, 65%
XYZ	20.8014, 27.0930, 39.7304
YIQ	129.8390, -54.1910, -14.5990

Conversions

Conversions Part 2

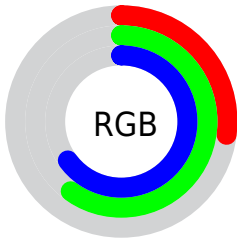
Format	Color
R _Y B	69, 114, 165
Decimal	4561573
CIE Lab	59.06, -22.22, -13.50
CIE LCh	59, 26.001, 211.286
Yxy	27.0930, 0.2374, 0.3092
Android (android.graphics.Color)	4282751653 (0xFF459AA5)
YUV	129.8390, 17.3344, -53.3558
Hunter-Lab	52.0509, -19.7542, -8.8203

Details

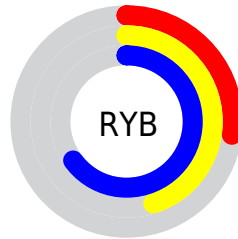
The XYZ color **20.8014, 27.0930, 39.7304** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.4606, 14.1671, 7.3400**, and the grayscale version is **21.1165, 22.2162, 24.1935**.

A 20% lighter version of the original color is **44.3229, 55.2039, 76.0295**, and **7.8309, 10.8928, 17.3126** is the 20% darker color. If you saturate the color by 10%, you get **19.4803, 25.9530, 39.5805**, and if you desaturate by 10%, it is **22.4545, 28.4127, 39.8985**.

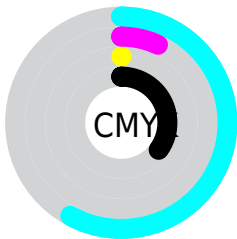
Distribution



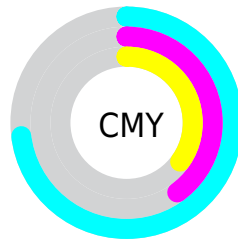
- Red (27%)
- Green (60%)
- Blue (65%)



- Red (27%)
- Yellow (45%)
- Blue (65%)



- Cyan (58%)
- Magenta (7%)
- Yellow (0%)
- Black (35%)



- Cyan (73%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8014, 27.0930, 39.7304 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 20.8014, 27.0930, 39.7304 by changing the saturation by 10% instead.

■ 20.8014, 27.0930,
39.7304

■ 20.8014, 27.0930,
39.7304

248.9729,
288.1071, 360.5042

■ 13.0905, 17.6431,
27.0162

■ 44.2505, 55.0331,
75.9854

■ 7.5684, 10.6940,
17.3529

■ 60.7195, 74.2920,
100.3633

■ 3.8695, 5.8615,
10.3218

■ 80.8386, 97.5894,
129.4662

■ 1.6286, 2.7610,
5.5044

■ 104.9732,
125.3097, 163.7126

■ 0.4109, 1.0083,
2.4823

■ 133.4885,
157.8372, 203.5210

■ 0.0000, 0.0000,
0.8308

166.7500,

■ 0.0000, 0.0000,

195.5563, 249.3101

0.0000

205.1230,
238.8515, 301.4983

■ 20.8014, 27.0930,
39.7304

■ 20.8014, 27.0930,
39.7304

■ 19.4803, 25.9530,
39.5805

■ 22.4545, 28.4127,
39.8985

■ 18.4611, 24.9752,
39.4455

■ 24.4617, 29.9216,
40.0840

■ 17.7120, 24.1440,
39.3245

■ 26.8460, 31.6324,
40.2885

■ 17.1761, 23.4298,
39.2149

■ 29.6280, 33.5555,
40.5131

■ 17.0853, 23.3040,
39.1954

■ 32.8263, 35.7007,
40.7586

■ 36.4589, 38.0772,
41.0258

■ 40.5422, 40.6935,
41.3156

■ 45.0922, 43.5580,
41.6287

■ 50.1237, 46.6782,
41.9658

Harmonies

Analogous

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



20.0294, 27.0930, 29.9005



20.8014, 27.0930, 39.7304



22.8820, 27.0930, 48.0032

Triad

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



20.8014, 27.0930, 39.7304



31.5890, 27.0930, 38.8934



25.6120, 27.0930, 15.0549

Complementary

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



20.8014, 27.0930, 39.7304



19.4606, 14.1671, 7.3400

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.



28.8506, 27.0930, 16.4918



20.8014, 27.0930, 39.7304



32.4701, 27.0930, 29.1024

Square

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



20.8014, 27.0930, 39.7304



29.1117, 27.0930, 47.4532



31.4296, 27.0930, 21.1958



22.6596, 27.0930, 16.7641

Rectangle

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



20.8014, 27.0930, 39.7304



24.8219, 27.0930, 50.7968



31.4296, 27.0930, 21.1958



26.7032, 27.0930, 15.1835

Sweetspot

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



20.8022, 27.0940, 39.7310



53.5277, 60.4119, 72.5918



17.3069, 28.7348, 11.9562



11.4830, 13.0581, 15.8528



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.8022, 27.0940, 39.7310



34.2654, 45.9059, 70.8071



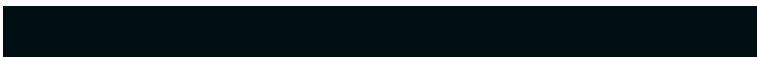
14.5461, 14.5818, 37.6457



7.2065, 7.8720, 9.0427



12.9482, 17.6758, 29.6591



0.2904, 0.4080, 0.6293

Inverse Universe

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



23.4786, 14.5895, 32.1515



39.7185, 22.0546, 54.9993



24.1298, 23.5055, 8.8964



7.3292, 7.1881, 8.7201



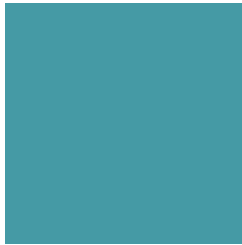
15.6811, 7.6285, 21.3092



0.3387, 0.1640, 0.4964

Previews

White Background



This preview shows how the XYZ color 20.8014, 27.0930, 39.7304 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 20.8014, 27.0930, 39.7304 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 20.8014, 27.0930, 39.7304

Background



This preview shows how black text looks on a background with the XYZ color 20.8014, 27.0930, 39.7304.



This preview shows how white text looks on a background with the XYZ color 20.8014, 27.0930,

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

20.8014, 27.0930, 39.7304

Protanopia

26.0263, 26.6454, 35.2238

Deuteranopia

27.3117, 26.7549, 40.7705



Tritanopia

20.9643, 27.1665, 40.2151

Trichromacy



Original Color

20.8014, 27.0930, 39.7304

Protanomaly

23.3228, 26.3314, 36.6541

Deuteranomaly

24.0185, 26.3814, 40.3854

Tritanomaly

20.9643, 27.1665, 40.2151

Monochromacy



Original Color

20.8014, 27.0930, 39.7304

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.3749, 23.6366, 29.4750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8014, 27.0930, 39.7304 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(69, 154, 165)` looks like.

```
.text, #text, p{  
    color:rgb(69, 154, 165)  
}
```

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(69, 154, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 154, 165) }
```

Border

The CSS property to change the border of an element to XYZ 20.8014, 27.0930, 39.7304 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(69, 154, 165) }
```


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

```
.border{ border-color:rgb(69, 154, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 154, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 154, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 154, 165);  
box-shadow:4px 4px 4px 4px rgb(69, 154,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8014, 27.0930, 39.7304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 154, 165) }
```

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

```
.background{ background-color: rgb(69, 154,  
165) }
```

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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