

Converting Colors

XYZ(20.2664, 29.6470, 19.7070)

Have a look what the booklet for
XYZ(20.2664, 29.6470, 19.7070)
contains.

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Color

**XYZ(20.1829, 29.5157,
19.6723)**

Conversions

Conversions Part 1

Format	Color
Hex	5AA36F
RGB	90, 163, 111
RGB Percent	35%, 64%, 44%
CMY	0.6471, 0.3608, 0.5647
CMYK	0.45, 0.00, 0.32, 0.36
HSL	137°, 29%, 50%
HSV	137°, 45%, 64%
XYZ	20.1829, 29.5157, 19.6723
YIQ	135.2450, -26.8160, -31.6480

Conversions

Conversions Part 2

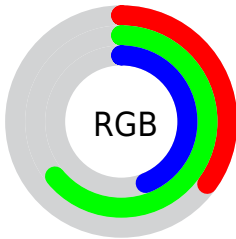
Format	Color
R_{YB}	90, 147, 163
Decimal	5940079
CIE _{Lab}	61.23, -34.61, 20.10
CIE _{LCh}	61, 40.019, 149.855
Yxy	29.5157, 0.2909, 0.4255
Android (android.graphics.Color)	4284130159 (0xFF5AA36F)
YUV	135.2450, -11.9528, -39.6799
Hunter-Lab	54.3284, -28.7621, 16.5609

Details

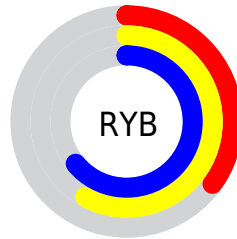
The XYZ color **20.1829, 29.5157, 19.6723** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.6439, 17.0525, 27.6376**, and the grayscale version is **23.1709, 24.3776, 26.5472**.

A 20% lighter version of the original color is **43.1839, 58.7164, 43.7077**, and **7.3092, 12.1028, 6.6535** is the 20% darker color. If you saturate the color by 10%, you get **18.1697, 28.5478, 16.4551**, and if you desaturate by 10%, it is **22.6285, 30.6985, 23.3449**.

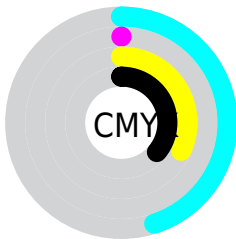
Distribution



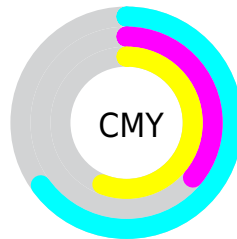
- Red (35%)
- Green (64%)
- Blue (44%)



- Red (35%)
- Yellow (58%)
- Blue (64%)



- Cyan (45%)
- Magenta (0%)
- Yellow (32%)
- Black (36%)



- Cyan (65%)
- Magenta (36%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1829, 29.5157, 19.6723 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 20.1829, 29.5157, 19.6723 by changing the saturation by 10% instead.

■ 20.1829, 29.5157,
19.6723

■ 20.1829, 29.5157,
19.6723

245.7183,
299.6405, 262.6808

■ 12.6371, 19.4713,
11.9754

■ 43.2252, 58.8954,
43.7188

■ 7.2544, 12.0113,
6.6046

■ 59.4525, 78.9995,
60.9055

■ 3.6694, 6.7514,
3.1414

■ 79.3042, 103.2257,
82.0924

■ 1.5169, 3.3071,
1.1673

■ 103.1458,
131.9582, 107.6982

■ 0.3373, 1.2941,
0.0000

131.3427,
165.5816, 138.1414

■ 0.0000, 0.1366,
0.0000

164.2602,

■ 0.0000, 0.0000,

204.4801, 173.8406

0.0000

202.2636,
249.0383, 215.2142

■ 20.1829, 29.5157,
19.6723

■ 20.1829, 29.5157,
19.6723

■ 18.1697, 28.5478,
16.4551

■ 22.6285, 30.6985,
23.3449

■ 16.5603, 27.7781,
13.6735

■ 25.5280, 32.1046,
27.4877

■ 15.3266, 27.1931,
11.3091


■ 28.9044, 33.7462,
32.1173


■ 14.4351, 26.7761,
9.3415


■ 32.7783, 35.6337,
37.2490


■ 13.8455, 26.5068,
7.7482


■ 37.1690, 37.7767,
42.8973

 13.6086, 26.3998,
7.0562

 42.0949, 40.1845,
49.0760

 47.5735, 42.8657,
55.7987

 53.6215, 45.8286,
63.0783

 60.2546, 49.0813,
70.9272

Harmonies

Analogous

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



23.3128, 29.5157, 12.9889



20.1829, 29.5157, 19.6723



19.1041, 29.5157, 32.0642

Triad

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



20.1829, 29.5157, 19.6723



28.0282, 29.5157, 70.6921



37.7749, 29.5157, 19.7641

Complementary

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



20.1829, 29.5157, 19.6723



23.6439, 17.0525, 27.6376

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.



39.4358, 29.5157, 32.2110



20.1829, 29.5157, 19.6723



33.3975, 29.5157, 64.3859

Square

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



20.1829, 29.5157, 19.6723



23.2736, 29.5157, 64.2693



37.7436, 29.5157, 48.9950



33.4474, 29.5157, 13.0291

Rectangle

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



20.1829, 29.5157, 19.6723



19.5734, 29.5157, 43.0172



37.7436, 29.5157, 48.9950



38.6860, 29.5157, 23.2669

Sweetspot

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



20.1837, 29.5169, 19.6730



52.7758, 60.9273, 58.8771



26.1534, 32.7127, 14.6090



11.5418, 13.5324, 12.8048



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.



20.1837, 29.5169, 19.6730



32.4694, 51.0914, 29.3528



22.5954, 30.4816, 32.3730



7.0655, 7.9270, 7.9565



10.5935, 20.5238, 5.5761



0.2420, 0.4390, 0.2194

Inverse Universe

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



23.6439, 17.0525, 27.6376



39.4722, 25.8064, 45.4279



21.3533, 16.1363, 15.5754



7.2770, 7.1673, 8.4453



14.2141, 7.0417, 13.5839



0.3175, 0.1555, 0.3845

Previews

White Background



This preview shows how the XYZ color 20.1829, 29.5157, 19.6723 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 20.1829, 29.5157, 19.6723 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 20.1829, 29.5157, 19.6723

Background



This preview shows how black text looks on a background with the XYZ color 20.1829, 29.5157, 19.6723.



This preview shows how white text looks on a background with the XYZ color 20.1829, 29.5157,

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

20.1829, 29.5157, 19.6723

Protanopia

27.2305, 29.2378, 17.3050

Deuteranopia

29.6905, 29.0814, 20.5714



Tritanopia

24.5499, 29.4877, 41.4436

Trichromacy



Original Color

20.1829, 29.5157, 19.6723

Protanomaly

23.8766, 28.9123, 18.2321

Deuteranomaly

24.9400, 28.4606, 20.0985

Tritanomaly

22.7016, 29.4995, 32.1012

Monochromacy



Original Color

20.1829, 29.5157, 19.6723

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.4990, 25.6791, 23.5621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1829, 29.5157, 19.6723 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(90, 163, 111)` looks like.

```
.text, #text, p{  
    color:rgb(90, 163, 111)  
}
```

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(90, 163, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 163, 111) }
```

Border

The CSS property to change the border of an element to XYZ 20.1829, 29.5157, 19.6723 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(90, 163, 111) }
```


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

```
.border{ border-color:rgb(90, 163, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 163, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 163, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 163, 111);  
box-shadow:4px 4px 4px 4px rgb(90, 163,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1829, 29.5157, 19.6723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 163, 111) }
```

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

```
.background{ background-color: rgb(90, 163,  
111) }
```

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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