

Converting Colors

XYZ(20.8924, 30.1538, 5.2199)

Have a look what the booklet for
XYZ(20.8924, 30.1538, 5.2199)
contains.

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Color

**XYZ(20.9364, 30.2249,
5.2207)**

Conversions

Conversions Part 1

Format	Color
Hex	78A310
RGB	120, 163, 16
RGB Percent	47%, 64%, 6%
CMY	0.5294, 0.3608, 0.9372
CMYK	0.26, 0.00, 0.90, 0.36
HSL	78°, 82%, 35%
HSV	78°, 90%, 64%
XYZ	20.9364, 30.2249, 5.2207
YIQ	133.3850, 21.5590, -54.8330

Conversions

Conversions Part 2

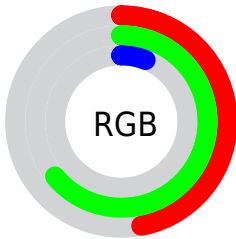
Format	Color
RYB	16, 163, 59
Decimal	7906064
CIELab	61.85, -33.58, 61.56
CIELCh	62, 70.127, 118.615
Yxy	30.2249, 0.3713, 0.5361
Android (android.graphics.Color)	4286096144 (0xFF78A310)
YUV	133.3850, -57.8708, -11.7386
Hunter-Lab	54.9772, -28.2337, 32.8538

Details

The XYZ color **20.9364, 30.2249, 5.2207** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.6012, 3.9456, 34.9605**, and the grayscale version is **22.6351, 23.8139, 25.9334**.

A 20% lighter version of the original color is **44.4239, 59.9521, 16.8199**, and **7.8644, 12.4927, 1.9968** is the 20% darker color. If you saturate the color by 10%, you get **20.2096, 29.8620, 4.6988**, and if you desaturate by 10%, it is **21.7865, 30.6443, 6.1554**.

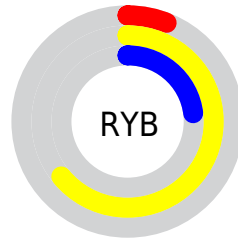
Distribution



Red (47%)

Green (64%)

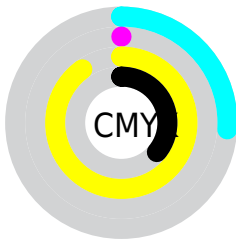
Blue (6%)



Red (6%)

Yellow (64%)

Blue (23%)

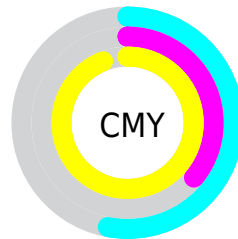


Cyan (26%)

Magenta (0%)

Yellow (90%)

Black (36%)



Cyan (53%)

Magenta (36%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9364, 30.2249, 5.2207 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 20.9364, 30.2249, 5.2207 by changing the saturation by 10% instead.

■ 20.9364, 30.2249,
5.2207

■ 20.9364, 30.2249,
5.2207

■ 249.6784,
302.9514, 160.9562

■ 13.1897, 20.0094,
2.3163

■ 44.4737, 60.0177,
16.7394

■ 7.6372, 12.4018,
0.7403

■ 60.9951, 80.3637,
26.1908

■ 3.9135, 7.0180,
0.0000

■ 81.1721, 104.8553,
38.6617

■ 1.6533, 3.4733,
0.0000

■ 105.3700,
133.8769, 54.5705

■ 0.4268, 1.3836,
0.0000

■ 133.9542,
167.8129, 74.3358

■ 0.0000, 0.2046,
0.0000

■ 167.2902,

■ 0.0000, 0.0000,

207.0478, 98.3762

0.0000

205.7431,
251.9658, 127.1101

■ 20.9364, 30.2249,
5.2207

■ 20.9364, 30.2249,
5.2207

■ 20.2096, 29.8620,
4.6988

■ 21.7865, 30.6443,
6.1554

■ 22.7791, 31.1236,
7.6697

■ 23.9298, 31.6699,
9.8392

■ 25.2510, 32.2885,
12.7276

■ 26.7538, 32.9837,
16.3912

■ 28.4483, 33.7596,
20.8805

■ 30.3437, 34.6200,
26.2418

■ 32.4485, 35.5683,
32.5180

■ 34.7708, 36.6079,
39.7493

Harmonies

Analogous

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



29.1655, 30.2249, 3.5869



20.9364, 30.2249, 5.2207



15.9318, 30.2249, 12.6922

Triad

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



20.9364, 30.2249, 5.2207



20.3315, 30.2249, 99.5078



50.7583, 30.2249, 34.1728

Complementary

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



20.9364, 30.2249, 5.2207



8.6012, 3.9456, 34.9605

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.



47.0105, 30.2249, 67.7472



20.9364, 30.2249, 5.2207



28.2946, 30.2249, 116.1039

Square

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



20.9364, 30.2249, 5.2207



15.6397, 30.2249, 64.3112



38.2461, 30.2249, 102.1385



47.6178, 30.2249, 13.8715

Rectangle

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



20.9364, 30.2249, 5.2207



14.4412, 30.2249, 23.7409



38.2461, 30.2249, 102.1385



50.2496, 30.2249, 44.1792

Sweetspot

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



20.9371, 30.2262, 5.2213



51.8189, 60.8551, 39.8077



16.6946, 10.8161, 1.6984



11.4026, 13.5604, 8.2899



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.



20.9371, 30.2262, 5.2213



35.9840, 53.3705, 8.4050



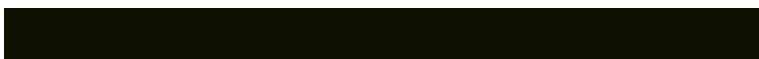
14.4038, 26.8582, 4.9156



7.4466, 8.1327, 7.5574



15.7525, 23.2312, 3.6538



0.3744, 0.5105, 0.0788

Inverse Universe

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



8.6012, 3.9456, 34.9605



13.8212, 5.7574, 62.4390



16.1808, 7.8531, 35.3152



6.8862, 6.9557, 8.8827



6.1143, 2.5585, 27.1014



0.1733, 0.0769, 0.5716

Previews

White Background



This preview shows how the XYZ color 20.9364, 30.2249, 5.2207 looks on a white background.

Color Contrast Check

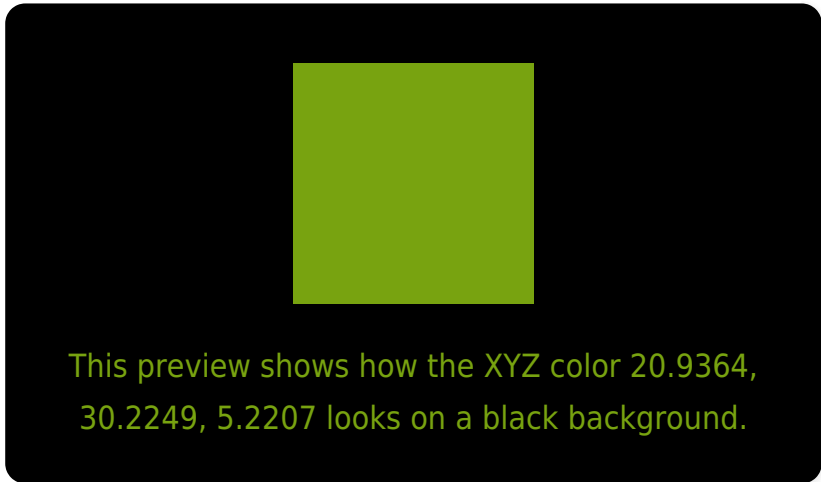
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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 ✓ Pass

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

XYZ 20.9364, 30.2249, 5.2207

Background



This preview shows how black text looks on a background with the XYZ color 20.9364, 30.2249, 5.2207.



This preview shows how white text looks on a background with the XYZ color 20.9364, 30.2249,

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

20.9364, 30.2249, 5.2207

Protanopia

26.9452, 29.8394, 4.5979

Deuteranopia

30.3071, 29.7300, 5.6545



Tritanopia

27.9208, 30.2877, 39.4965

Trichromacy



Original Color

20.9364, 30.2249, 5.2207

Protanomaly

24.3845, 29.7171, 4.7986

Deuteranomaly

26.0495, 29.3606, 5.3311

Tritanomaly

23.9089, 29.6485, 19.2145

Monochromacy



Original Color

20.9364, 30.2249, 5.2207

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

20.7208, 25.2739, 13.4591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9364, 30.2249, 5.2207 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(120, 163, 16)` looks like.

```
.text, #text, p{  
    color:rgb(120, 163, 16)  
}
```

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(120, 163, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 163, 16) }
```

Border

The CSS property to change the border of an element to XYZ 20.9364, 30.2249, 5.2207 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(120, 163, 16) }
```


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

```
.border{ border-color:rgb(120, 163, 16) }
```

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

Here you see how a box with a 4 pixel rgb(120, 163, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 163, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 163, 16);  
box-shadow:4px 4px 4px 4px rgb(120, 163,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9364, 30.2249, 5.2207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 163, 16) }
```

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

```
.background{ background-color: rgb(120,  
163, 16) }
```

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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