

Converting Colors

XYZ(27.5553, 21.6047, 3.0345)

Have a look what the booklet for
XYZ(27.5553, 21.6047, 3.0345)
contains.

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Color

**XYZ(27.5164, 21.5269,
3.0214)**

Conversions

Conversions Part 1

Format	Color
Hex	C3680B
RGB	195, 104, 11
RGB Percent	76%, 41%, 4%
CMY	0.2353, 0.5921, 0.9568
CMYK	0.00, 0.47, 0.94, 0.24
HSL	30°, 89%, 40%
HSV	30°, 94%, 76%
XYZ	27.5164, 21.5269, 3.0214
YIQ	120.6070, 84.0890, -9.6310

Conversions

Conversions Part 2

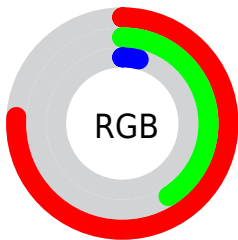
Format	Color
RYB	191, 195, 11
Decimal	12806155
CIELab	53.52, 31.10, 59.31
CIElCh	54, 66.976, 62.327
Yxy	21.5269, 0.5285, 0.4135
Android (android.graphics.Color)	4290996235 (0xFFC3680B)
YUV	120.6070, -54.0363, 65.2427
Hunter-Lab	46.3971, 24.6668, 28.6170

Details

The XYZ color **27.5164, 21.5269, 3.0214** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **14.7395, 13.5135, 53.4609**, and the grayscale version is **18.1976, 19.1453, 20.8492**.

A 20% lighter version of the original color is **54.2340, 45.4791, 11.7143**, and **11.3579, 7.8833, 0.9230** is the 20% darker color. If you saturate the color by 10%, you get **26.9262, 20.4433, 2.5268**, and if you desaturate by 10%, it is **28.7242, 23.6541, 4.3141**.

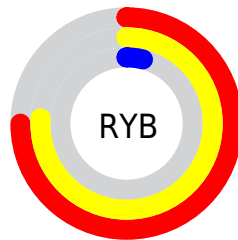
Distribution



Red (76%)

Green (41%)

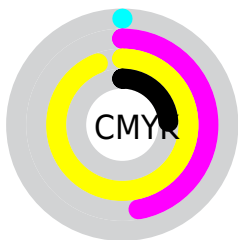
Blue (4%)



Red (75%)

Yellow (76%)

Blue (4%)

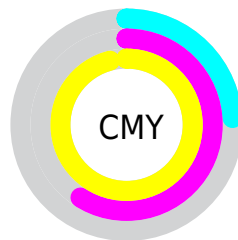


Cyan (0%)

Magenta (47%)

Yellow (94%)

Black (24%)



Cyan (24%)

Magenta (59%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5164, 21.5269, 3.0214 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 27.5164, 21.5269, 3.0214 by changing the saturation by 10% instead.

■ 27.5164, 21.5269,
3.0214

■ 27.5164, 21.5269,
3.0214

282.2710,
260.0656, 136.6327

■ 18.1000, 13.5097,
1.1056

■ 55.1255, 45.9628,
11.6812

■ 11.1219, 7.7804,
0.0000

■ 74.0489, 63.1503,
19.2622

■ 6.2168, 3.9548,
0.0000

■ 96.8720, 84.1633,
29.5688

■ 3.0193, 1.6483,
0.0000

■ 123.9602,
109.3863, 43.0194

■ 1.1640, 0.3898,
0.0000

■ 155.6789,
139.2036, 60.0325


■ 0.0776, 0.0000,
0.0000


■ 192.3933,


■ 0.0000, 0.0000,


173.9997, 81.0267


0.0000

 234.4689,
214.1589, 106.4206


 27.5164, 21.5269,
3.0214


 27.5164, 21.5269,
3.0214


 26.9262, 20.4433,
2.5268

 28.7242, 23.6541,
4.3141

 30.2007, 26.0711,
6.4586

 31.9743, 28.7957,
9.5855

 34.0684, 31.8425,
13.8027

 36.5038, 35.2247,
19.2035

■ 39.2990, 38.9546,
25.8712

■ 42.4712, 43.0437,
33.8813

■ 46.0362, 47.5028,
43.3037

■ 50.0089, 52.3422,
54.2030

Harmonies

Analogous

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



34.3808, 21.5269, 8.0810



27.5164, 21.5269, 3.0214



19.9086, 21.5269, 2.0199

Triad

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



27.5164, 21.5269, 3.0214



9.5862, 21.5269, 25.0711



28.7088, 21.5269, 74.7834

Complementary

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



27.5164, 21.5269, 3.0214



14.7395, 13.5135, 53.4609

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.



21.0228, 21.5269, 88.6943



27.5164, 21.5269, 3.0214



10.9195, 21.5269, 51.3533

Square

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



27.5164, 21.5269, 3.0214



10.5570, 21.5269, 9.5173



14.7277, 21.5269, 78.2947



35.1742, 21.5269, 46.8314

Rectangle

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



27.5164, 21.5269, 3.0214



15.6788, 21.5269, 2.6432



14.7277, 21.5269, 78.2947



26.1276, 21.5269, 81.8065

Sweetspot

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



27.5169, 21.5281, 3.0218



73.6673, 74.0274, 54.5342



25.0735, 12.8208, 13.9856



15.5936, 15.5137, 10.5909



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



27.5169, 21.5281, 3.0218



47.9755, 36.1145, 4.4422



42.0809, 50.6561, 7.8764



10.4845, 10.9005, 10.6133



17.5850, 13.4557, 1.6704



0.8287, 0.7192, 0.0951

Inverse Universe

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



14.7395, 13.5135, 53.4609



24.9564, 21.6854, 95.3401



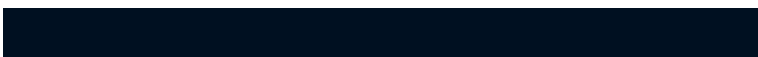
10.1080, 4.2507, 51.9171



9.9305, 10.5522, 12.7982



9.2306, 8.2177, 34.6563



0.4678, 0.4930, 1.5204

Previews

White Background



This preview shows how the XYZ color 27.5164, 21.5269, 3.0214 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 27.5164, 21.5269, 3.0214 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 27.5164, 21.5269, 3.0214

Background



This preview shows how black text looks on a background with the XYZ color 27.5164, 21.5269, 3.0214.



This preview shows how white text looks on a background with the XYZ color 27.5164, 21.5269,

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

27.5164, 21.5269, 3.0214

Protanopia

19.6536, 21.7708, 3.8281

Deuteranopia

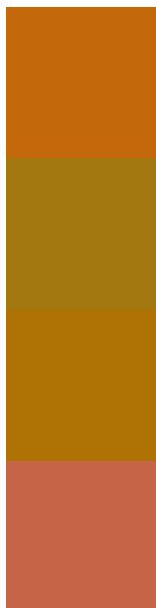
21.8598, 21.6004, 3.0172



Tritanopia

30.0621, 21.5546, 15.6727

Trichromacy



Original Color

27.5164, 21.5269, 3.0214

Protanomaly

21.9219, 21.2599, 3.4785

Deuteranomaly

23.6082, 21.2689, 2.9759

Tritanomaly

28.6886, 21.4269, 8.4181

Monochromacy



Original Color

27.5164, 21.5269, 3.0214

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.8287, 19.1514, 10.4361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5164, 21.5269, 3.0214 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(195, 104, 11)` looks like.

```
.text, #text, p{  
    color:rgb(195, 104, 11)  
}
```

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(195, 104, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 104, 11) }
```

Border

The CSS property to change the border of an element to XYZ 27.5164, 21.5269, 3.0214 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(195, 104, 11) }
```


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

```
.border{ border-color:rgb(195, 104, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 104, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 104, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 104, 11);  
box-shadow:4px 4px 4px 4px rgb(195, 104,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5164, 21.5269, 3.0214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 104, 11) }
```

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

```
.background{ background-color: rgb(195,  
104, 11) }
```

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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