Converting Colors

XYZ(29.8543, 20.0454, 3.2740)

Have a look what the booklet for XYZ(29.8543, 20.0454, 3.2740) contains.

XYZ(29.9351, 20.1169, 3.2825) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 28
- ***CSS Examples*** 30

Color

XYZ(29.9351, 20.1169, 3.2825)

Conversions

Format	Color
Hex	D2541A
RGB	210, 84, 26
RGB Percent	82%, 33%, 10%
CMY	0.1765, 0.6706, 0.8980
CMYK	0.00, 0.60, 0.88, 0.18
HSL	19°, 78%, 46%
HSV	19°, 88%, 82%
XYZ	29.9351, 20.1169, 3.2825
YIQ	115.0620, 93.7140, 8.6740

Conversions Part 1

Conversions

Conversions Part 2

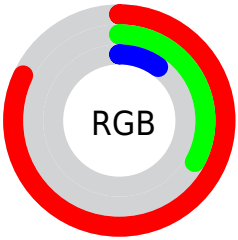
Format	Color
RYB	210, 111, 26
Decimal	13784090
CIELab	51.97, 47.22, 54.94
CIELCh	52, 72.443, 49.325
Yxy	20.1169, 0.5613, 0.3772
Android (android.graphics.Color)	4291974170 (0xFFD2541A)
YUV	115.0620, -43.9076, 83.2606
Hunter-Lab	44.8519, 40.6440, 27.0571

Details

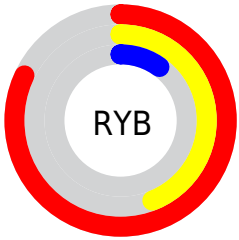
The XYZ color 29.9351, 20.1169, 3.2825 is a dark color, and the websafe version is hex CC3300. The color can be described as dark washed red. A complement of this color would be 23.2859, 27.3270, 65.0195, and the grayscale version is 16.4246, 17.2799, 18.8179.

A 20% lighter version of the original color is 51.5252, 39.6871, 11.9659, and 12.6521, 7.1746, 0.7180 is the 20% darker color. If you saturate the color by 10%, you get 28.7725, 18.0465, 2.1105, and if you desaturate by 10%, it is 31.4953, 22.7149, 5.4140.

Distribution

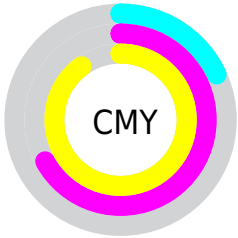


- Red (82%)
- Green (33%)
- Blue (10%)



- Red (82%)
- Yellow (44%)
- Blue (10%)

- Cyan (0%)
- Magenta (60%)
- Yellow (88%)
- Black (18%)



- Cyan (18%)
- Magenta (67%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9351, 20.1169, 3.2825 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 29.9351, 20.1169, 3.2825 by changing the saturation by 10% instead.

29.9351, 20.1169, 3.2825

29.9351, 20.1169, 3.2825

293.5171, 252.5473, 139.8811

19.9372, 12.4800, 1.2406

58.9469, 43.6131, 12.3179

12.4574, 7.0715, 0.0124

78.6914, 60.2412, 20.1485

7.1304, 3.5069, 0.0000

102.4155, 80.6352, 30.7458

3.5908, 1.4017, 0.0000

130.4845, 105.1795, 44.5283

1.4734, 0.2180, 0.0000

163.2639, 134.2584, 61.9145

0.3076, 0.0000, 0.0000

201.1188,

0.0000, 0.0000,

168.2565, 83.3231

0.0000

244.4148, 207.5579, 109.1724

29.9351, 20.1169, 3.2825

29.9351, 20.1169, 3.2825

28.7725, 18.0465, 2.1105

31.4953, 22.7149, 5.4140

28.5382, 17.6217, 1.8972

33.5008, 25.8773, 8.6984

35.9897, 29.6396, 13.2758

38.9954, 34.0328, 19.2662

42.5477, 39.0858, 26.7753

46.6741, 44.8253, 35.8988

51.4001, 51.2768, 46.7245

56.7497, 58.4642, 59.3337

62.7452, 66.4103, 73.8026

Harmonies

Analogous

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

35.8714, 20.1169, 11.0237

29.9351, 20.1169, 3.2825

21.8702, 20.1169, 1.3247

Triad

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

29.9351, 20.1169, 3.2825

8.2947, 20.1169, 15.2079

24.2088, 20.1169, 86.9464

Complementary

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

29.9351, 20.1169, 3.2825

23.2859, 27.3270, 65.0195

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.

16.6116, 20.1169, 90.9826

29.9351, 20.1169, 3.2825

8.6160, 20.1169, 38.2839

Square

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

29.9351, 20.1169, 3.2825

10.2545, 20.1169, 4.6627

11.2857, 20.1169, 69.4132

32.0213, 20.1169, 60.4800

Rectangle

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

29.9351, 20.1169, 3.2825

16.9131, 20.1169, 1.2992

11.2857, 20.1169, 69.4132

21.5120, 20.1169, 91.4129

Sweetspot

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

29.9355, 20.1181, 3.2828

73.3411, 70.8177, 57.7772

32.8471, 16.8003, 32.4339

15.1865, 14.4528, 11.2163

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.

29.9355, 20.1181, 3.2828

44.1373, 27.0546, 2.8958

41.7465, 43.7399, 7.2198

12.1085, 12.4078, 12.3688

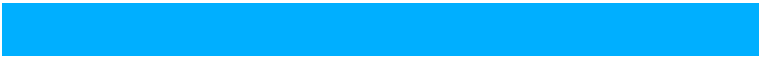
17.4881, 10.9092, 1.1840

1.0487, 0.7517, 0.0898

Inverse Universe

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

23.2859, 27.3270, 65.0195



33.3042, 37.7283, 100.1347

13.8254, 8.4058, 61.8660

11.8310, 12.7522, 15.0815

13.2543, 15.1552, 39.4192

0.8105, 0.9863, 2.2272

Previews

White Background

This preview shows how the XYZ color 29.9351, 20.1169, 3.2825 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

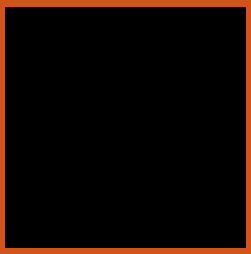
This preview shows how the XYZ color 29.9351, 20.1169, 3.2825 looks on a black background.

Color Contrast Check

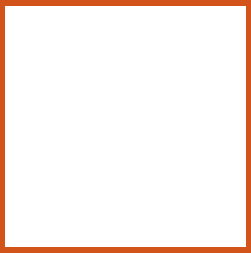
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 29.9351, 20.1169, 3.2825 Background



This preview shows how black text looks on a background with the XYZ color 29.9351, 20.1169, 3.2825.



This preview shows how white text looks on a background with the XYZ color 29.9351, 20.1169,

3.2825.

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
29.9351, 20.1169, 3.2825

Protanopia
18.4673, 20.3701, 4.6276

Tritanopia
31.5087, 20.2135, 10.4245

Trichromacy

Original Color
29.9351, 20.1169, 3.2825

Protanomaly
21.3537, 19.2555, 3.9577

Tritanomaly
30.6759, 20.0815, 6.8168

Monochromacy

Original Color
29.9351, 20.1169, 3.2825

Achromatopsia
16.2955, 17.1441, 18.6699

Achromatomaly
19.0893, 17.0092, 10.4606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9351, 20.1169, 3.2825 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(210, 84, 26) looks like.

```
.text, #text, p{
    color:rgb(210, 84, 26)
}
```

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(210, 84, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 84, 26) }
```

Border

The CSS property to change the border of an element to XYZ 29.9351, 20.1169, 3.2825 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(210, 84, 26) }
```

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

```
.border{ border-color:rgb(210, 84, 26) }
```

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

Here you see how a box with a 4 pixel rgb(210, 84, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(210, 84, 26); -webkit-box-shadow:4px 4px 4px 4px rgb(210, 84, 26); box-shadow:4px 4px 4px 4px rgb(210, 84, 26) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9351, 20.1169, 3.2825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(210, 84, 26) }
```

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

```
.background{ background-color:rgb(210, 84,
26) }
```

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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