

Converting Colors

XYZ(13.2920, 21.6231, 15.2775)

Have a look what the booklet for
XYZ(13.2920, 21.6231, 15.2775)
contains.

XYZ(13.2920, 21.6231, 15.2775)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.2920, 21.6231,
15.2775)**

Conversions

Conversions Part 1

Format	Color
Hex	299163
RGB	41, 145, 99
RGB Percent	16%, 57%, 39%
CMY	0.8392, 0.4314, 0.6118
CMYK	0.72, 0.00, 0.32, 0.43
HSL	153°, 56%, 36%
HSV	153°, 72%, 57%
XYZ	13.2920, 21.6231, 15.2775
YIQ	108.6600, -47.2180, -36.3540

Conversions

Conversions Part 2

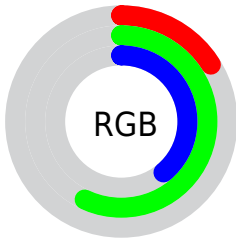
Format	Color
RYB	41, 108, 145
Decimal	2724195
CIELab	53.62, -40.58, 16.12
CIELCh	54, 43.660, 158.338
Yxy	21.6231, 0.2648, 0.4308
Android (android.graphics.Color)	4280914275 (0xFF299163)
YUV	108.6600, -4.7624, -59.3378
Hunter-Lab	46.5006, -30.3527, 13.0711

Details

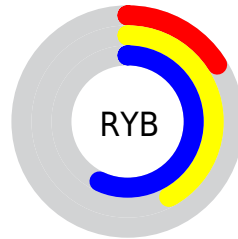
The XYZ color **13.2920, 21.6231, 15.2775** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.1910, 8.2942, 9.8707**, and the grayscale version is **14.4627, 15.2159, 16.5701**.

A 20% lighter version of the original color is **31.5261, 46.2773, 36.1250**, and **4.5342, 8.0766, 4.5688** is the 20% darker color. If you saturate the color by 10%, you get **12.5223, 21.2609, 13.7042**, and if you desaturate by 10%, it is **14.3003, 22.1066, 16.9901**.

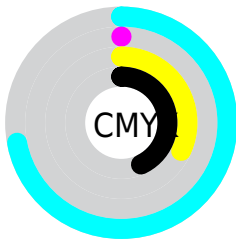
Distribution



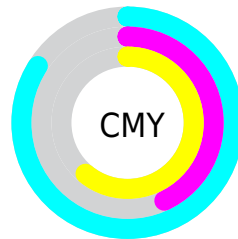
- Red (16%)
- Green (57%)
- Blue (39%)



- Red (16%)
- Yellow (42%)
- Blue (57%)



- Cyan (72%)
- Magenta (0%)
- Yellow (32%)
- Black (43%)



- Cyan (84%)
- Magenta (43%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2920, 21.6231, 15.2775 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 13.2920, 21.6231, 15.2775 by changing the saturation by 10% instead.

■ 13.2920, 21.6231,
15.2775

■ 13.2920, 21.6231,
15.2775

206.3807,
260.5716, 236.7381

■ 7.7083, 13.5802,
8.8656

■ 31.4243, 46.1223,
36.0884

■ 3.9591, 7.8293,
4.5580

■ 44.7035, 63.3473,
51.3245

■ 1.6790, 3.9859,
1.9362

■ 61.2787, 84.4020,
70.3391

■ 0.4431, 1.6657,
0.5156

■ 81.5152, 109.6705,
93.5507

■ 0.0000, 0.4013,
0.0000

■ 105.7782,
139.5373, 121.3779

■ 0.0000, 0.0000,
0.0000

■ 134.4333,

174.3869, 154.2391

167.8456,
214.6035, 192.5530

■ 13.2920, 21.6231,
15.2775

■ 13.2920, 21.6231,
15.2775

■ 12.5223, 21.2609,
13.7042

■ 14.3003, 22.1066,
16.9901

■ 11.9642, 21.0045,
12.2646

■ 15.5669, 22.7199,
18.8443

■ 11.6060, 20.8437,
11.1696

■ 17.1117, 23.4735,
20.8442

■ 18.9516, 24.3764,
22.9934

■ 21.1024, 25.4365,
25.2952

■ 23.5787, 26.6612,
27.7528

■ 26.3942, 28.0576,
30.3691

■ 29.5616, 29.6323,
33.1474

■ 33.0930, 31.3913,
36.0904

Harmonies

Analogous

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



15.4750, 21.6231, 8.5959



13.2920, 21.6231, 15.2775



12.8932, 21.6231, 27.4693

Triad

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



13.2920, 21.6231, 15.2775



21.8806, 21.6231, 59.2055



28.4211, 21.6231, 10.9335

Complementary

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



13.2920, 21.6231, 15.2775



14.1910, 8.2942, 9.8707

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.



30.7660, 21.6231, 20.0115



13.2920, 21.6231, 15.2775



26.6334, 21.6231, 49.9882

Square

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



13.2920, 21.6231, 15.2775



17.4157, 21.6231, 56.3985



30.0665, 21.6231, 34.3563



24.0441, 21.6231, 6.8298

Rectangle

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



13.2920, 21.6231, 15.2775



13.6249, 21.6231, 37.9644



30.0665, 21.6231, 34.3563



29.5011, 21.6231, 13.3338

Sweetspot

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



13.2926, 21.6240, 15.2780



37.4868, 45.4016, 44.9854



14.5319, 22.4768, 5.6706



8.1273, 9.9954, 9.7860



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.2926, 21.6240, 15.2780



21.7760, 37.7739, 22.9482



15.3749, 21.2144, 30.0736



5.4609, 6.0766, 6.3927



9.9676, 17.8829, 9.6497



0.1064, 0.1754, 0.1508

Inverse Universe

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



14.1910, 8.2942, 9.8707



23.5046, 12.4235, 12.7636



13.0627, 8.1500, 2.9827



5.5018, 5.4612, 6.1404



10.8256, 5.4873, 4.7330



0.1143, 0.0568, 0.1021

Previews

White Background



This preview shows how the XYZ color 13.2920, 21.6231, 15.2775 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 13.2920, 21.6231, 15.2775 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 13.2920, 21.6231, 15.2775

Background



This preview shows how black text looks on a background with the XYZ color 13.2920, 21.6231, 15.2775.



This preview shows how white text looks on a background with the XYZ color 13.2920, 21.6231,

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

13.2920, 21.6231, 15.2775

Protanopia

19.7942, 21.2524, 12.9564

Deuteranopia

21.6710, 21.2144, 16.0493



Tritanopia

16.7242, 21.6914, 32.1596

Trichromacy



Original Color

13.2920, 21.6231, 15.2775

Protanomaly

16.0250, 20.6831, 13.7373

Deuteranomaly

16.6876, 20.1758, 15.5852

Tritanomaly

15.1429, 21.4727, 24.8193

Monochromacy



Original Color

13.2920, 21.6231, 15.2775

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.1655, 16.8238, 15.9180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2920, 21.6231, 15.2775 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(41, 145, 99)` looks like.

```
.text, #text, p{  
    color:rgb(41, 145, 99)  
}
```

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(41, 145, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 145, 99) }
```

Border

The CSS property to change the border of an element to XYZ 13.2920, 21.6231, 15.2775 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(41, 145, 99) }
```


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

```
.border{ border-color:rgb(41, 145, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 145, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 145, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 145, 99);  
box-shadow:4px 4px 4px 4px rgb(41, 145,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2920, 21.6231, 15.2775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 145, 99) }
```

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

```
.background{ background-color: rgb(41, 145,  
99) }
```

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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