

Converting Colors

XYZ(17.2949, 21.0462, 30.0395)

Have a look what the booklet for
XYZ(17.2949, 21.0462, 30.0395)
contains.

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Color

**XYZ(17.2032, 20.9335,
29.9219)**

Conversions

Conversions Part 1

Format	Color
Hex	538691
RGB	83, 134, 145
RGB Percent	33%, 53%, 57%
CMY	0.6745, 0.4745, 0.4314
CMYK	0.43, 0.08, 0.00, 0.43
HSL	191°, 27%, 45%
HSV	191°, 43%, 57%
XYZ	17.2032, 20.9335, 29.9219
YIQ	120.0050, -33.9270, -7.3910

Conversions

Conversions Part 2

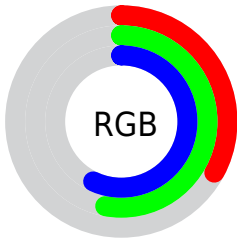
Format	Color
R_{YB}	83, 111, 145
Decimal	5473937
CIE _{Lab}	52.88, -14.05, -11.28
CIE _{LCh}	53, 18.016, 218.747
Yxy	20.9335, 0.2528, 0.3076
Android (android.graphics.Color)	4283664017 (0xFF538691)
YUV	120.0050, 12.3225, -32.4534
Hunter-Lab	45.7531, -12.9519, -6.7476

Details

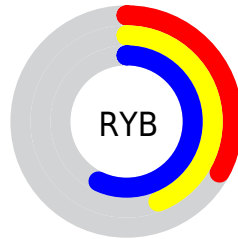
The XYZ color **17.2032, 20.9335, 29.9219** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.2415, 14.6501, 10.1032**, and the grayscale version is **17.8243, 18.7526, 20.4216**.

A 20% lighter version of the original color is **38.2325, 44.8984, 60.6840**, and **5.7713, 7.4429, 11.9589** is the 20% darker color. If you saturate the color by 10%, you get **15.7042, 19.6398, 29.7516**, and if you desaturate by 10%, it is **18.9797, 22.3841, 30.1086**.

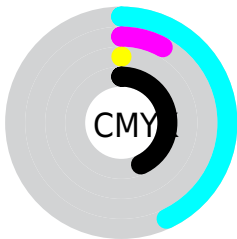
Distribution



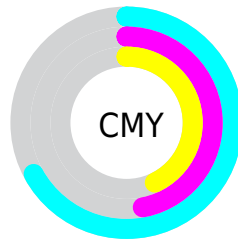
- Red (33%)
- Green (53%)
- Blue (57%)



- Red (33%)
- Yellow (44%)
- Blue (57%)



- Cyan (43%)
- Magenta (8%)
- Yellow (0%)
- Black (43%)



- Cyan (67%)
- Magenta (47%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2032, 20.9335, 29.9219 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 17.2032, 20.9335, 29.9219 by changing the saturation by 10% instead.

■ 17.2032, 20.9335,
29.9219

■ 17.2032, 20.9335,
29.9219

229.4741,
256.9249, 315.7362

■ 10.4757, 13.0754,
19.5278

■ 38.2156, 44.9768,
60.5982

■ 5.7801, 7.4805,
11.8716

■ 53.2313, 61.9309,
81.7174

■ 2.7512, 3.7644,
6.5348

■ 71.7403, 82.6856,
107.2488

■ 1.0236, 1.5426,
3.0989

■ 94.1081, 107.6256,
137.6108

■ 0.0000, 0.3185,
1.1454

■ 120.7000,
137.1351, 173.2220

■ 0.0000, 0.0000,
0.0000

151.8815,

171.5985, 214.5009

188.0177,
211.4003, 261.8662

■ 17.2032, 20.9335,
29.9219

■ 17.2032, 20.9335,
29.9219

■ 15.7042, 19.6398,
29.7516

■ 18.9797, 22.3841,
30.1086

■ 14.4639, 18.4917,
29.5953

■ 21.0473, 23.9971,
30.3110

■ 13.4641, 17.4803,
29.4528

■ 23.4208, 25.7809,
30.5302

■ 12.6836, 16.5945,
29.3230

■ 26.1134, 27.7423,
30.7669

■ 12.0969, 15.8211,
29.2046

■ 29.1378, 29.8880,
31.0216

■ 11.7408, 15.3041,
29.1236

■ 32.5058, 32.2240,
31.2950

■ 36.2285, 34.7563,
31.5876

■ 40.3168, 37.4904,
31.8999

■ 44.7807, 40.4318,
32.2323

Harmonies

Analogous

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



16.5270, 20.9335, 24.4073



17.2032, 20.9335, 29.9219



18.6123, 20.9335, 33.8928

Triad

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



17.2032, 20.9335, 29.9219



23.4671, 20.9335, 26.7640



19.3509, 20.9335, 14.0004

Complementary

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



17.2032, 20.9335, 29.9219



17.2415, 14.6501, 10.1032

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.



21.2388, 20.9335, 14.4273



17.2032, 20.9335, 29.9219



23.6958, 20.9335, 21.2516

Square

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



17.2032, 20.9335, 29.9219



22.2510, 20.9335, 31.8789



22.8575, 20.9335, 16.8972



17.7146, 20.9335, 15.6218

Rectangle

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



17.2032, 20.9335, 29.9219



19.8176, 20.9335, 34.8170



22.8575, 20.9335, 16.8972



19.9760, 20.9335, 13.9152

Sweetspot

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



17.2038, 20.9343, 29.9224



41.7104, 45.9974, 54.6536



15.6838, 22.8865, 14.0250



9.0805, 10.0852, 12.1402



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.



17.2038, 20.9343, 29.9224



28.2945, 35.3237, 53.3004



13.5955, 13.7176, 28.7196



5.4800, 5.9558, 6.8895



10.0872, 13.1604, 24.9856



0.1102, 0.1534, 0.2435

Inverse Universe

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



19.0739, 13.9281, 24.2382



32.1899, 21.4795, 41.2917



20.4883, 21.1438, 11.1855



5.5858, 5.4948, 6.5827



12.8947, 6.3149, 15.6285



0.1302, 0.0632, 0.1860

Previews

White Background



This preview shows how the XYZ color 17.2032, 20.9335, 29.9219 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 17.2032, 20.9335, 29.9219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

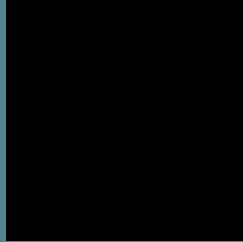
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.2032, 20.9335, 29.9219

Background



This preview shows how black text looks on a background with the XYZ color 17.2032, 20.9335, 29.9219.

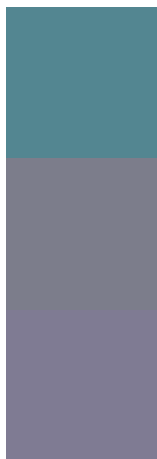


This preview shows how white text looks on a background with the XYZ color 17.2032, 20.9335,

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

17.2032, 20.9335, 29.9219

Protanopia

20.3060, 20.8164, 27.3738

Deuteranopia

21.1018, 20.7845, 30.5034



Tritanopia

17.2032, 20.9335, 29.9219

Trichromacy



Original Color

17.2032, 20.9335, 29.9219

Protanomaly

18.8336, 20.6126, 28.1853

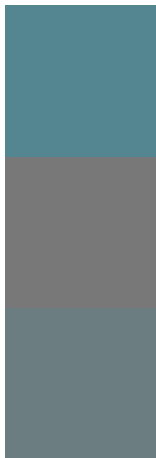
Deuteranomaly

19.3332, 20.6336, 30.1578

Tritanomaly

17.2032, 20.9335, 29.9219

Monochromacy



Original Color

17.2032, 20.9335, 29.9219

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.3595, 19.3780, 23.5943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2032, 20.9335, 29.9219 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(83, 134, 145) looks like.

```
.text, #text, p{  
    color:rgb(83, 134, 145)  
}
```

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(83, 134, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 134, 145) }
```

Border

The CSS property to change the border of an element to XYZ 17.2032, 20.9335, 29.9219 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(83, 134, 145) }
```


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

```
.border{ border-color:rgb(83, 134, 145) }
```

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

Here you see how a box with a 4 pixel rgb(83, 134, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 134, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 134, 145);  
box-shadow:4px 4px 4px 4px rgb(83, 134,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2032, 20.9335, 29.9219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 134, 145) }
```

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

```
.background{ background-color: rgb(83, 134,  
145) }
```

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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