

Converting Colors

XYZ(20.9302, 13.6419, 4.6853)

Have a look what the booklet for
XYZ(20.9302, 13.6419, 4.6853)
contains.

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Color

**XYZ(20.9059, 13.6004,
4.6553)**

Conversions

Conversions Part 1

Format	Color
Hex	B24233
RGB	178, 66, 51
RGB Percent	70%, 26%, 20%
CMY	0.3020, 0.7412, 0.8000
CMYK	0.00, 0.63, 0.71, 0.30
HSL	7°, 55%, 45%
HSV	7°, 71%, 70%
XYZ	20.9059, 13.6004, 4.6553
YIQ	97.7780, 71.5670, 19.0790

Conversions

Conversions Part 2

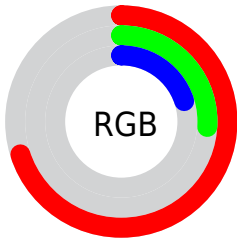
Format	Color
R _{YB}	178, 68, 51
Decimal	11682355
CIE Lab	43.65, 44.69, 32.92
CIE LCh	44, 55.503, 36.375
Yxy	13.6004, 0.5338, 0.3473
Android (android.graphics.Color)	4289872435 (0xFFB24233)
YUV	97.7780, -23.0616, 70.3547
Hunter-Lab	36.8787, 36.6508, 18.3308

Details

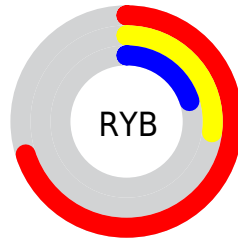
The XYZ color **20.9059, 13.6004, 4.6553** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **22.4974, 30.1106, 46.7456**, and the grayscale version is **11.5978, 12.2018, 13.2878**.

A 20% lighter version of the original color is **44.3980, 32.4262, 15.4741**, and **7.6840, 4.0219, 0.5436** is the 20% darker color. If you saturate the color by 10%, you get **19.7913, 11.8837, 2.7043**, and if you desaturate by 10%, it is **22.4230, 15.8821, 7.4817**.

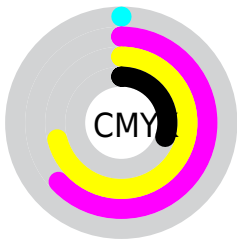
Distribution



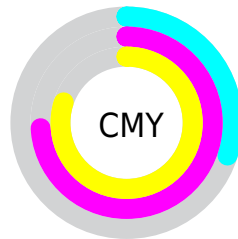
- Red (70%)
- Green (26%)
- Blue (20%)



- Red (70%)
- Yellow (27%)
- Blue (20%)



- Cyan (0%)
- Magenta (63%)
- Yellow (71%)
- Black (30%)



- Cyan (30%)
- Magenta (74%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9059, 13.6004, 4.6553 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 20.9059, 13.6004, 4.6553 by changing the saturation by 10% instead.

■ 20.9059, 13.6004,
4.6553

■ 20.9059, 13.6004,
4.6553

249.5192,
214.7305, 155.2521

■ 13.1673, 7.8433,
1.9913

■ 44.4233, 32.3783,
15.4949

■ 7.6216, 3.9948,
0.5499

■ 60.9329, 46.1679,
24.5076

■ 3.9036, 1.6707,
0.0000

■ 81.0968, 63.4037,
36.4736

■ 1.6477, 0.4046,
0.0000

■ 105.2804, 84.4701,
51.8114

■ 0.4232, 0.0000,
0.0000

■ 133.8491,
109.7517, 70.9397

■ 0.0000, 0.0000,
0.0000

■ 167.1682,

139.6327, 94.2768

205.6031,
174.4975, 122.2415

■ 20.9059, 13.6004,
4.6553

■ 20.9059, 13.6004,
4.6553

■ 19.7913, 11.8837,
2.7043

■ 22.4230, 15.8821,
7.4817

■ 19.0389, 10.6800,
1.5251

■ 24.3759, 18.7701,
11.2699

■ 18.6288, 10.0024,
0.9488

■ 26.7951, 22.3045,
16.0967

■ 29.7085, 26.5214,
22.0311

■ 33.1415, 31.4540,
29.1359

■ 37.1179, 37.1335,
37.4692

■ 41.6598, 43.5892,
47.0855

■ 46.7883, 50.8488,
58.0358

■ 52.5234, 58.9388,
70.3683

Harmonies

Analogous

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



23.1583, 13.6004, 12.3027



20.9059, 13.6004, 4.6553



16.5799, 13.6004, 1.9138

Triad

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



20.9059, 13.6004, 4.6553



6.6741, 13.6004, 7.1291



13.8788, 13.6004, 53.6962

Complementary

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



20.9059, 13.6004, 4.6553



22.4974, 30.1106, 46.7456

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.



9.8540, 13.6004, 49.4226



20.9059, 13.6004, 4.6553



6.2646, 13.6004, 17.6334

Square

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



20.9059, 13.6004, 4.6553



8.5706, 13.6004, 2.6781



7.2904, 13.6004, 34.0628



18.5541, 13.6004, 43.7126

Rectangle

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



20.9059, 13.6004, 4.6553



13.4632, 13.6004, 1.4550



7.2904, 13.6004, 34.0628



12.4048, 13.6004, 53.9333

Sweetspot

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



20.9062, 13.6012, 4.6555



60.0897, 57.0248, 52.8141



26.1712, 14.4836, 36.1527



12.9157, 12.0645, 10.8750



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.9062, 13.6012, 4.6555



34.9797, 20.1059, 3.4386



26.8497, 25.4881, 6.6367



8.5746, 8.6617, 8.8725



13.3544, 7.2074, 0.6873



0.4460, 0.2785, 0.0302

Inverse Universe

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



22.4974, 30.1106, 46.7456



37.8544, 51.4857, 84.3238



13.9281, 12.9720, 43.8891



8.6553, 9.4567, 10.8755



14.4029, 19.6062, 33.1623



0.4772, 0.6650, 1.0514

Previews

White Background



This preview shows how the XYZ color 20.9059, 13.6004, 4.6553 looks on a white 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

Black Background



This preview shows how the XYZ color 20.9059, 13.6004, 4.6553 looks on a black 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

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

XYZ 20.9059, 13.6004, 4.6553

Background



This preview shows how black text looks on a background with the XYZ color 20.9059, 13.6004, 4.6553.



This preview shows how white text looks on a background with the XYZ color 20.9059, 13.6004,

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

20.9059, 13.6004, 4.6553

Protanopia

12.6858, 13.7815, 6.8420

Deuteranopia

13.9697, 13.7727, 4.3050



Tritanopia

21.4672, 13.6679, 6.9756

Trichromacy



Original Color

20.9059, 13.6004, 4.6553

Protanomaly

14.7621, 12.9465, 5.8585

Deuteranomaly

15.9539, 13.2247, 4.4011

Tritanomaly

21.3502, 13.7121, 6.0788

Monochromacy



Original Color

20.9059, 13.6004, 4.6553

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.5654, 11.7617, 9.3398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9059, 13.6004, 4.6553 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(178, 66, 51)` looks like.

```
.text, #text, p{  
    color:rgb(178, 66, 51)  
}
```

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(178, 66, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 66, 51) }
```

Border

The CSS property to change the border of an element to XYZ 20.9059, 13.6004, 4.6553 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(178, 66, 51) }
```


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

```
.border{ border-color:rgb(178, 66, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 66, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 66, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 66, 51);  
box-shadow:4px 4px 4px 4px rgb(178, 66,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9059, 13.6004, 4.6553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 66, 51) }
```

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

```
.background{ background-color: rgb(178, 66,  
51) }
```

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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